



भारत का राजपत्र

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No. 41] NEW DELHI, SATURDAY, OCTOBER 7, 2000 (ASVINA 15, 1922)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 7th October 2000

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Fax No. 044 490 1492.

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O.
Building, 5th, 6th and 7th
Floors, 234/4, Acharya Jagadish
bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"
Phone No. 247 4401
Fax No. 033 247 3851

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and the Patents (Amendment) Act, 1999 or the Patents Rules, 1972 as amended by The Patents (Amendment) Rules, 1999 will be received only at the appropriate offices of the Patent Office.

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पटेंट कार्यालय

एकस्व तथा अभिभावक

कलकत्ता, दिनांक 7 अक्टूबर 2000

पटेंट कार्यालय के कार्यालयों के पत्र एवं क्षेत्राधिकार

पटेंट कार्यालय द्वा प्रधान कार्यालय कलकत्ते में अवस्थित है तथा मुख्याई, दिल्ली एवं चेन्नई में इसके शास्त्र कार्यालय हैं, जिनके पात्रीशक क्षेत्राधिकार जौन के बाधार पर निम्न रूप में प्रदर्शित हैं :—

पटेंट कार्यालय शास्त्र, टाउनी इस्टेट, तीसरा तल, लोअर पर्सेल (प.)

मुख्याई-400013।

गुजरात, महाराष्ट्र, मध्य प्रदेश तथा गोआ राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव एवं दादर और नगर नुवेली।

तार पता - "पटेंटफिस"

फोन : 482 5092 फैक्स : 022 495 0622

पटेंट कार्यालय शास्त्र, एक सं. 401 से 405, तीसरा तल, नगरपालिका बाजार भवन, सरस्वती भार्ग, करौल बाग, नई दिल्ली-110 005।

होमियो, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान, उत्तर प्रदेश तथा दिल्ली राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता - "पटेंटफिस"

फोन : 578 2532 फैक्स : 011 576 6204

CORRIGENDUM

In the Gazette of India, Part-III, Sec-2, dated 12-08-2000 notified on 09-09-2000 delete the notification under the heading "LEAVE GRANTED UNDER RULE 123 OF THE PATENT'S RULE 1972" in respect of patent application No. 126/C1/94 (180885) which was inadvertently notified.

ALTERATION OF DATE UNDER SECTION-16

184885 Ante dated to 12th September 1995

(1968/Cal/98)

184889 Ante dated to 30th May 1994

(510/Cal/98)

184890 Ante dated to 19th September 1994

(948/Cal/98)

184906 filed on 29-5-92

464/Dcl/92 Ante dated to 27-12-88.

184920 Ante dated to 01 March, 1991

(1147/Mas/97)

184926 filed on 24-12-91.

1274/Dcl/91 Ante dated to 6-10-88

184952 filed on 27-05-93.

550/Dcl/93 Ante dated to 9-5-89

184953 filed on 28-06-93.

654/Dcl/93 Ante dated to 27-06-89.

पटेंट कार्यालय शास्त्र,

विंग "सी" (सी-4, ए),

तीसरा तल, राजाशी भवन,

बस्टन नगर, चेन्नई-600090।

मान्य प्रदेश, कर्नाटक, केरल, तमिलनाडु,

तथा पाण्डिचेरी राज्य क्षेत्र एवं

संघ शासित क्षेत्र, लक्षद्वीप, मिनिकाय

तथा एसिनिदीव द्वीप।

तार पता- "पटेंटफिस"

फोन : 490 1495 फैक्स : 044 490 1492

पटेंट कार्यालय (प्रधान कार्यालय),

निजाम पैलेस, दिवनीय नहरतलीय कार्यालय

भवन, 5, 6 तथा 7वां तल,

234/4, आचार्य जगदीश बोस भार्ग,

कलकत्ता-700 020।

भारत का अवक्षय क्षेत्र।

तार पता - "पटेंटस"

फोन : 247 4401 फैक्स : 033 247 3851

पटेंट अधिनियम, 1970 तथा पटेंट (संशोधन) अधिनियम, 1999 अथवा पटेंट (संशोधन) नियम, 1972 द्वारा अधिकृत सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई कीस पटेंट कार्यालय के केवल सम्बन्धित कार्यालय में ही प्रहण किये जायेंगे।

शुल्क : शुल्कों की अद्यतीयी या नै नकद की राशी अथवा जहां उधयकृत कार्यालय अवस्थित है, उस स्थान के अनुसूचित शुल्क से नियंत्रक को भुगतान योग्य बैंक ड्रॉफ्ट अथवा चंक द्वारा की जा सकती है।

APPLICATION FOR THE PATENT FILED AT THE HEAD OFFICE 234/4 ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 020

The dates shown in the crescent bracket are the dates claimed under Section 135, under Patent Act, 1970.

8-8-2000

447/Cal/2000. Hitachi, Ltd. Master Controller (Convention No. 2000-5949 filed on 7-1-2000 in Japan).

448/Cal/2000. Hitachi, Ltd. Control Apparatus of Electric Vehicle. (Convention No. 2000-65715 filed on 6-3-2000 in Japan).

449/Cal/2000. Copeland Corporation Scroll Temperature Protection (Convention No. 09/382,844 filed on 25-8-99 in U.S.A.).

450/Cal/2000. Kitamura Yoji Lappet for use in Spinning Machine (Convention No. 11-226221 filed on 10-8-99 in Japan).

9-8-2000

451/Cal/2000. Mannesmann VDO AG. Fuel¹ Device intended for feeding fuel out of a fuel tank to an internal combustion engine of a motor vehicle (Convention No. 19942543.5 filed on 7-9-99 in Germany).

452/Cal/2000. Lotte Co. Ltd. Novel α-Glucosidase. (Convention No. 11-225840 filed on 9-8-1999 in Japan).

453/Cal/2000. Lotte Co. Ltd. Method for preparing Novel α -Glucosidase as well as method of producing Glucosides by the α -Glucosidase. (Convention No. 11-225840 filed on 9-8-2000 in Japan).

10-8-2000

454/Cal/2000. Byung Moo, AHN. Steel Manhole.

11-8-2000

455/Cal/2000. G. A. Hinge. Multi Disto Meter.

456/Cal/2000. Mastercard International, Inc. System and Method for Conducting Cashless Transactions. (Divided out of No. 8/Bom/95 ante-dated to 4-1-95).

14-8-2000

457/Cal/2000. Jung Ki, AHN. Connection apparatus for Waterway Pipe. (Convention No. 99-37973 on 7-3-99 in Korea)

458 Cal/2000. Ramesh Kumar Bhandari. Telescopic Tilting Type Lighting Masts with two, three or four light cradles on segments with ground mounted, skid mounted & trolley mounted configuration.

459/Cal/2000. Mcneil-PPC, Inc. Thong Pantiliner with Flaps. (Convention No. 09/538010 filed on 29-3-2000 in U.S.A.).

460/Cal/2000. Betzdearborn International Inc. A Composition for preventing/preserving jet engine component surfaces from deterioration, during the combustion of turbine combustion fuel oils. (Divided out of No. 1212/Cal/95 Ante-dated to 10-10-95).

16-8-2000

461/Cal/2000. Besco Limited. Improved adapter inter-lock elastomeric pads.

462/Cal/2000. Johnson & Johnson Inc. Thin Sanitary Napkin capable of controlled deformation when in use. (Convention Nos. 09/375343 filed on 16-8-99 and 09/477244 filed on 4-1-2000 in U.S.A.).

463/Cal/2000. Johnson & Johnson Inc. A Sanitary Napkin with improved liquid retention capability. (Convention Nos. 09/374514 and 09/447313 filed on 16-8-99 and 4-1-2000 respectively in U.S.A.).

464/Cal/2000. Johnson & Johnson Inc. Compression-Resistant Sanitary Napkin. (Convention No. 09/375045 filed on 16-8-99 in U.S.A.).

465/Cal/2000. Johnson & Johnson Inc. Absorbent structure suitable for use in a Sanitary Absorbent article. (Convention No. 09/374513 filed on 16-8-99 in U.S.A.).

466/Cal/2000. Johnson & Johnson Inc. Thin Sanitary Napkin allowing for controller deformation when in use. (Convention No. 09/374,512 filed on 16-8-99 in U.S.A.).

467/Cal/2000. Johnson & Johnson Inc. Thin Sanitary Napkin having a flexibility selected to provide a good comfort potential while reducing bunching. (Convention No. 09/374,653 filed on 16-8-99 and 09/477,309 filed on 4-1-2000 in U.S.A.).

17-8-2000

468/Cal/2000. Satake Corporation. Circulating Type Grain Drying Machine. (Convention No. 237643/1999 filed on 24-8-99 in Japan).

469/Cal/2000. Cardio Rest Ltd. An apparatus for treating a living organism to achieve a heart load reduction. (Convention No. 09/378,181 filed on 20-8-99 in U.S.A.).

470/Cal/2000. Soumya Aditya Ohid. A hydraulic machine for lifting water or any other liquid.

18-8-2000

471/Cal/2000. Goldenchart Co., Ltd. Asset management advice system and recording medium containing program or the system. (Convention No. 303456/1999 filed on 26-10-99 in Japan).

472/Cal/2000. Graf & CIE AG. Method and apparatus for producing fine wire. (Convention No. 19940845.9 filed on 27-8-99 in Germany).

473/Cal/2000. Indian Institute of Technology. The production of pollution free gaseous fuel.

474/Cal/2000. General Electric Company. Fluid-filled Electrical equipment intelligent analysis system and method. (Convention No. 09/398,033 filed on 17-9-99 in U.S.A.).

475/Cal/2000. General Electric Company. Intelligent analysis system and method for fluid filled electrical equipment. (Convention No. 09/398.034 filed on 17-9-99 in U.S.A.).

476/Cal/2000. Chakraborty Bijoy. A replaceable led lamp holder/illuminating push button switch.

21-8-2000

477/Cal/2000. Dey Subhendu and Elahi Fazal. Improved apparatus for fuel saving and for aiding heat efficiency in LPG cooking burner.

478/Cal/2000. General Electric Company. Method for documenting engineering rules. (Convention No. 60/153,577 filed on 13-9-99 and 09/457.651 filed on 9-12-99 in U.S.A.).

479/Cal/2000. Molex Incorporated. Electrical connector including means for terminating the shield of a high speed cable. (Convention No. 09/368.105 filed on 30-8-99 in U.S.A.).

480/Cal/2000. Molex Incorporated. Electrical connector including coaxial cable management system. (Convention No. 09/386.104 filed on 30-8-99 in U.S.A.).

481/Cal/2000. Hoechst Aktiengesellschaft. A dyestuff mixture of water-soluble fiber reactive azo dyestuff and process for the preparation of the same. (Divided out of No. 1530/Cal/95 dt. 27-11-95).

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, WING C (C-4 'A'),
IIIRD FLOOR, RAJAJI BHAVAN, BESANT NAGAR,
CHENAI-600 090

19-6-2000

467/Mas/2000. GRC. Rajan. External pulley winch operated telescopic mast.

468/Mas/2000. Synthite Industrial Chemicals Limited. A process for the manufacture of a medicinal composition for the treatment of diabetes and a medicinal composition intended for such treatment.

20-6-2000

469/Mas/2000. Shivaprasad. A novel process and system for converting municipal waste to useful fuel.

470/Mas/2000. F. Hoffmann-La Roche Ag. Continuous hydrogenation process. (June 23, 1999; Europe).

471/Mas/2000. International Business Machine Corporation. Determining the capacity loss of toolsets due to operational and technical deployment practices. (June 28, 1999; US).

472/Mas/2000. Maja Matejic. A centrifugal air pre-cleaner.

21-6-2000

473/Mas/2000. Imphy UGINE Precision. Masking device for a colour cathode-ray display tube with a flat screen, of the type comprising a support frame for a tensioned shadowmask, and tensioned shadowmask. (June 22, 1999; France).

22-6-2000

474/Mas/2000. Dr. M. Periyasamy. Peri's breathing system (modified bain's circuit).

475/Mas/2000. Institut Francais Du Petrole. Process for producing phenylalkanes using a catalyst based on a zeolite with structure type Eu₅. (June 22, 1999; France).

476/Mas/2000. Teijin Limited. Resin composition for optical fiber loose tubes and optical fiber loose tube.

477/Mas/2000. Rangaswami Krishnaswami. Auto drum bell unit.

23rd June, 2000

478/Mas/2000. Anna University. A method and apparatus for foam discharge printing of materials.

479/Mas/2000. Lucent Technologies Inc. Mobile-station adapted for removable user identity modules. (June 25, 1999; US).

480/Mas/2000. Lucent Technologies Inc. Base station system including parallel interference cancellation processor. (June 29, 1999; USA).

481/Mas/2000. Institut Francais Du Petrole. Process for hydrotreating a middle distillate in two successive zones. (June 25, 1999; France).

482/Mas/2000. Teijin Limited & Hitachi Cable, Ltd. Resin composition for optical fiber loose tubes, optical fiber loose tube and production process thereof. (June 24, 1999; Japan).

26th June, 2000

483/Mas/2000. Sree Chitra Tirunal Institute for Medical Sciences and Technology. A product of biocompatible, crosslinkable and non-aromatic polyurethane potting compound.

484/Mas/2000. Cheeram Parambil Muhammad. A hinge with integral stopper.

485/Mas/2000. Inventio Ag. Device and method for preventing vertical displacements and vertical vibrations of the load carrying means of vertical conveyors. (June 25, 1999; Europe).

486/Mas/2000. Maschinenfabrik Rieter Ag. Sensor system for ring spinning machine. (June 26, 1999; Germany).

487/Mas/2000. Koei Chemical Company, Limited. A method for producing pyridine bases.

488/Mas/2000. Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.) Vaporizer for a low temperature liquid. (June 28, 1999; Japan).

27th June, 2000

489/Mas/2000. YKK Corporation. Molded surface fastener, and molding apparatus and molding method therefor. (June 28, 1999; Japan).

490/Mas/2000. Institut Francais Du Petrole. Distribution device for automatic catalyst evaluation multi-reactors. (June 28, 1999; France).

491/Mas/2000. Varadharajan Ponnudurai. A cleaning device.

492/Mas/2000. Societe Des Produits Nestle S. A. Pulse or vegetable product. (June 28, 1999; Europe).

493/Mas/2000. Institut Francais Du Petrole. Automatic multi-reactor catalyst evaluation method and device with a heavy feedstock. (June 28, 1999; France).

28th June, 2000

494/Mas/2000. Widia GmbH. Milling head.

495/Mas/2000. Belavendran Antonit Joseph. Spring spanner.

496/Mas/2000. Institut Francais Du Petrole. Automatic multi-reactor catalyst evaluation method and device with in-line analysis without liquid/gas separation. (June 28, 1999; France).

497/Mas/2000. Maschinenfabrik Rieter Ag. Device for guiding yarn for a spinning frame. (June 29, 1999; Germany).

498/Mas/2000. Matsushita Electric Industrial Co. Ltd. Road antenna apparatus. (June 29, 1999; Japan).

499/Mas/2000. Institut Francais Du Petrole. Process for producing oxygen-containing compounds containing at least one oxygen atom bonded to two distinct carbon atoms which are not bonded together and not including a multiple bond. (June 29, 1999; France).

500/Mas/2000. Sumitomo Electric Industries Ltd. An apparatus and a method for heating a protective member for an optical fiber fusion splicing part. (June 29, 1999; Japan).

501/Mas/2000. International Business Machine Corporation. Method and system for improved access to non-relational databases. (July 8, 1999; US).

29th June, 2000

502/Mas/2000. Indian Institute of Science. Phase modulated series resonant converter.

503/Mas/2000. F Hoffmann-La Roche Ag. Erythropoietin Derivatives. (July 2, 1999; US).

30th June, 2000

504/Mas/2000. Mathews K Mathew. Solar Mosquito Destroyer.

505/Mas/2000. Dover Chemical Corporation. Blends of phosphites and antioxydants. (July 13, 1999; US).

506/Mas/2000. F Hoffmann-La Roche Ag. New process for the manufacture of cephalosporin derivatives. (July 5, 1999; Europe).

507/Mas/2000. E.I.D. Parry (India) Limited. A storage stable pesticide formulation.

APPLICATION FOR THE PATENTS FILED IN THE
PATENT OFFICE BRANCH AT TUDI ESTATE,
3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL
(W), MUMBAI-400 013.

27-03-2000

270/Mum/2000. M/s. Bajaj Auto Ltd. Positive lubrication of clutch plate for two wheeled vehicles.

271/Mum/2000. M/s. Bayer Corporation. Polycarbonate composition having reduced tendency to spray. (Priority Date : 12-4-99 U.S.A.).

272/Mum/2000. M/s. Honda Giken Kogyo Kabushiki Kaisha. Interlock braking system for motorcycles. (Priority Date : 26-4-99 Japan).

273/Mum/2000. M/s. Pfizer Products Inc. Process for preparing cyclic thioamides. (Priority Date : 30-3-99 U.S.A.).

274/Mum/2000. Mr. Tarun Malaviya. A method and apparatus for using query keyboard for creating non-english script texts.

28-03-2000

275/Mum/2000. M/s. The Anil Starch Products Ltd. Modified starch blends as adhesive and process for the same.

276/Mum/2000. M/s. Pfizer Products Inc. Sorbitol dehydrogenase inhibitors. (Priority Date : 1-4-99 U.S.A.).

277/Mum/2000. M/s. Sony Corporation. Display unit. (Priority Date : 31-3-99 U.S.A.).

278/Mum/2000. Mr. Anil Moreshwar Tade. Method of construction of a security alarm.

279/Mum/2000. M/s. Indian Petrochemicals Corporation Limited. A catalytic process for the preparation of methylene bridged aromatic polyimines.

29-03-2000

280/Mum/2000. M/s. Honda Giken Kogyo Kabushiki Kaisha "Ventilation Hole structure of Lamp Device" (Priority Date: 27-4-99) Japan.

281/Mum/2000. M/s. Sorelec, "Water-Raising Pump" (Priority Date: 31-3-99 & 15-12-99) France.

282/Mum/2000. M/s. Honda Giken Kogyo Kabushiki Kaisha "Under-Floor structure for scooter-type Vehicle" (Priority Date: 27-4-99) Japan.

283/Mum/2000. M/s. Honda Giken Kogyo Kabushiki Kaisha "Structure for Mounting Ignition Coil unit to swing-type power unit" (Priority Date: 27-4-99) Japan.

30-03-2000

284/Mum/2000. Smt. Jui Vishwas Mehendaley Smt. Sayali Vishwas Mehendaley "An improved device for storing and utilising solar energy".

285/Mum/2000. Smt. Jui Vishwas Mehendaley and Smt. Sayali Vishwas Mehendaley "An improved device using manual force to lift water stored in a collapsible water tank".

286//Mum/2000. Mr. Vinayak Narayan Rashinkar "A device for illuminating 'Elevator Cubicle'".

287/Mum/2000. M/s. Maulana Azad College of Technology, "A fatigue testing machine".

288/Mum/2000. M/s. Tata Institute of Fundamental Research, "An apparatus and process for manufacture of substrates with deposition of monolayer and/or multilayer of amphiphiles on a substrate and the product based on apparatus and/or process".

289/Mum/2000. M/s. Tata Institute of Fundamental Research, "A system for manufacturing substrates with deposition of a layer with a quasi-continuous variation of density of molecules in the deposited layer".

290/Mum/2000. M/s. Tata Institute of Fundamental Research, "Process of printing patterns on electro-active, Polymeric films using ion implantation technique and the products made therefrom".

291/Mum/2000. M/s. ITW-Ateco GMBH, "Guide Sleeve for the rod of a neck rest" (Priority Date: 28-4-99) Germany.

292/Mum/2000. M/s. Honda Giken Kogyo Kabushiki Kaisha, "Baggage Box structure for scooter-type vehicle" (Priority Date: 28-4-99) Japan.

293/Mum/2000. M/s. Honda Giken Kogyo Kabushiki Kaisha, "Apparatus for supply of secondary air to exhaust system in motorcycle" (Priority Date: 28-4-99) Japan.

294/Mum/2000. M/s. Gujarat State Fertilizers & Chemicals Limited, "Non Halogenated Flame Retardent Nylon-6 moulding compound".

31-03-2000

295/Mum/2000. M/s. Prolate prompt equipments Pvt. Ltd., "An apparatus for determining the fat contents of milk and related products".

296/Mum/2000. M/s. Praxair Technology, Inc., "Multiple Coherent Jet Lance" (Priority Date: Nil) U.S.A.

297/Mum/2000. M/s. Luk Lamellen und Kupplungsbau GMBH, "Coupling Plate" (Priority Date: 1-4-99) Germany.

298/Mum/2000. M/s. Planet Polymer Technologies, Inc., "Controlled release urea-based products" (Priority Date: 6-4-99) U.S.A.

299/Mum/2000. M/s. Sergio F. Robles, "Key with identifying system" (Priority Date: 14-5-99) Chile.

300/Mum/2000. M/s. Lupin Laboratories Ltd., "Antigenic Peptide for use in HIV diagnosis and a HIV Diagnostic Kit comprising the same".

301/Mum/2000. Mr. Indermal Pannalal Jain, "An improved vacuum/thermal container".

302/Mum/2000. M/s. Lupin Laboratories Ltd., "An antigenic peptide for use in HIV diagnosis and an enzyme linked immunoabsorbent assay kit comprising the same".

3-04-2000

303/Mum/2000. Mr. Chheda Jagdishchandra Bhavanji, "A new direct coil ignition system for internal combustion engines".

304/Mum/2000. M/s. Morgan construction company, "High Speed Flying Shear" (Priority Date: 8-4-99) U.S.A.

305/Mum/2000. M/s. Smiths Industries Public Limited Company, "Obturators and tube assemblies" (Priority Date: 12-4-99) U.K.

4-04-2000

306/Mum/2000. M/s. Pfizer products inc., "Use of CYP2D6 inhibitors in combination therapies" (Priority Date: 7-4-99) U.S.A.

307/Mum/2000. M/s. Abacus holding Ltd., "Improved reflector" (Priority Date: Nil) England.

308/Mum/2000. Mr. Murli Bhagwandas Rohra, "A twist pursuant to sub-Section (3) of Section 560 of the Companies type pilferproof plastic seal".

6-04-2000

309/Mum/2000. M/s. Honda Giken Kogyo Kabushiki Kaisha. Valve drive assembly. (Priority date 23-04-99) Japan.

310/Mum/2000. M/s. Honda Giken Kogyo Kabushiki Kaisha. Engine Starter. (Priority date 23-04-99) Japan.

311/Mum/2000. M/s. Mitsui Chemicals Inc. Polyorganosiloxane Catalyst.

312/Mum/2000. M/s. Bayer Aktiengesellschaft. Substituted benzoylisoxazoles. (Priority date 6-05-99) Germany.

313/Mum/2000. M/s. Honda Giken Kogyo Kabushiki. Engine supporting structure for scooter-type vehicle. (Priority date 28-04-99) Japan.

314/Mum/2000. M/s. Honda Giken Kogyo Kabushiki Body Frame for scooter-type vehicle. (Priority date 28-04-99) Japan.

315/Mum/2000. Mr. Shirish Nathathai Patel. Method of manufacturing multilayered-leminated paper board in the required shape.

316/Mum/2000. Mrs. Ganeswade Dinesh Nemichandra. Rock and concrete breaking by wedging action.

317/Mum/2000. Mr. Makki Muhammad Fasihuddin. Sopa.

318/Mum/2000. Mr. Mohan Madhav Bharadwaj. A device to improve working of batch-type, indirectly steam-heated reactors.

319/Mum/2000. M/s. Gujarat State Fertilizers & Chemicals Limited. Non halogenated flame retardant nylon-6 moulding compound.

7-04-2000

320/Mum/2000. M/s. Eastman Kodak Company. Phase-change recording medium for write once applications. (Priority date 18-05-99) U.S.A.

321/Mum/2000. M/s. Power Quotaent International Company Limited. Disk Module of solid state.

10-04-2000

322/Mum/2000. Shrinivas Laxmaya Yemul. A process for the preparation of polywood warper bobbin useful for textile industry.

323/Mum/2000. Goa University. Automobile exhaust and industrial emission control catalysts.

324/Mum/2000. Mass Kinematics Pvt. Ltd. The rtm-frp modular indulated dome shelters.

325/Mum/2000. Sanyo Electric Company Ltd. Washing machine. (Priority date 30-4-99 & 30-4-99) Japan.

326/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Starter/generator for motor vehicles. (Priority date 27-4-99) Japan.

327/Mum/2000. Sulzer Orthopedics Ltd. Locking nail for the repair of femur shaft fractures.

328/Mum/2000. Smiths Industries Public Limited Company. Syringe Pump. (Priority date 28-4-99) U.K.

11-04-2000

329/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Engine oil pump assembly. (Priority date 28-4-99) Japan.

330/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Motorcycle exhaust gas sensor assembly. (Priority date 28-5-99) Japan.

331/Mum/2000. Motovario S.P.A. Reduction gear comprising a crown gear and worm screw first stage and a second stage with an epicycoidal group.

332/Mum/2000. Rohm and Hass Company. Fluorescent dyes. (Priority date 3-12-99) U.S.A.

333/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Crankshaft feeding oil waystructure. (Priority date 28-4-99) Japan.

334/Mum/2000. Toyo Gose Kogyo Company Ltd. Method for producing 1, 2-naphthoquinone-2-diazide-4-sulfonyl chloride.

335/Mum/2000. Kirloskar Copeland Limited. Improvements in or relating to hermetically sealed compressors.

336/Mum/2000. Kirloskar Copeland Limited. Improvements in or relating to hermetically sealed compressors.

337/Mum/2000. Kirloskar Copeland Limited. Improvements in or relating to hermetically sealed compressors.

338/Mum/2000. Kirloskar Copeland Limited. Improvements in or relating to hermetically sealed compressors.

339/Mum/2000. Kirloskar Copeland Limited. Improvements in or relating to hermetically sealed compressors.

340/Mum/2000. Kirloskar Copeland Limited. Improvements in or relating to hermetically sealed compressors.

341/Mum/2000. Hindustan Lever Limited. Detergent particles. (Priority date 26-8-94) Great Britain.

12-04-2000

342/Mum/2000. Dattaraya Ambadas Jagtap. Chromopathy.

343/Mum/2000. Godrej Soaps Limited. Surfactant powder.

344/Mum/2000. Godrej Soaps Limited. Surfactant flakes.

345/Mum/2000. Indo Rama Cement Limited. Slak based paint and the process of preparing the same.

346/Mum/2000. Sara Lee/De N.V. Cleansing and freshening unit intended for suspension from a rim of a toilet bowl. (Priority date 19-4-99) U.S.A.

347/Mum/2000. Infineum International Limited. Lubricating oil composition. (Priority date 17-4-99) Great Britain.

348/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Louver of cover and mold assembly for molding the cover. (Priority date 31-5-99) Japan.

349/Mum/2000. Crompton Greaves Limited. An electric ceiling fan suspension shackle.

350/Mum/2000. VIP Industries Limited. A hook arrangement of a luggage case diver-flap.

13-04-2000

351/Mum/2000. AstraZeneca UK Limited. Estrogen receptor-beta ligands. (Priority date 16-4-99) U.S.A.

17-04-2000

352/Mum/2000. Nivrutti Shivaram Patil. An Instrument for music initiated lighting decorations.

353/Mum/2000. Pfizer Products Inc. Process for preparing an aromatic compound substituted by a tertiary nitrile. (Priority date 20-4-99) U.S.A.

354/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Body frame for motorcycle. (Priority date 28-4-99) Japan.

355/Mum/2000. AVL List GmbH. Cylinder head for an internal combustion engine. (Priority date 19-4-99) Austria.

356/Mum/2000. Society Des Produits Nestle S.A. Switzerland. Process for the production of cereal granules for porridges.

357/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Rear cushion unit mounting structure for scooter-type vehicle. (Priority date 28-4-99) Japan.

358/Mum/2000. Sony Corporation. Data reproducing apparatus and method. (Priority date 20-4-99) Japan.

359/Mum/2000. Honda Giken Kofuyo Kabushiki Kaisha. Body frame for scooter-type vehicle. (Priority date 28-4-99) Japan.

18-04-2000

360/Mum/2000. Solvay (Society Anonyme). Process for the separation of enantiomers and enantipure reagent. (Priority date 21-04-99) Belgium.

361/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Scooter type vehicle. (Priority date 28-04-99) Japan.

362/Mum/2000. Stasiuk, Joseph, W. Decorative and symbolically shaped pull tab container opening devices and methods of making the same.

363/Mum/2000. Weepa Nair, Prakash Jayaram, Dhaval Shah. A method of displaying information electronically on a display terminal.

364/Mum/2000. Zaverchand Shah. Power press.

19-04-2000

365/Mum/2000. Potnis Shreenivas Pralhad. Mattress supported mosquito net stand

366/Mum/2000. Bayer Aktiengesellschaft. Substituted benzoyl ketones. (Priority date 8-05-99) Germany.

367/Mum/2000. Sun Microsystems, Inc. File portability techniques. (Priority date 23-04-99) U.S.A.

368/Mum/2000. Howa Machinery Limited. Drive device for driving draft rollers in spinning machine (Priority date 23-04-99) Japan.

369/Mum/2000. EVC Technology Ag., Switzerland. Catalyst and oxychlorination process using it.

370/Mum/2000. Shah Nilesh Chandrakant. An improved conversion kit for two stroke I.C. engines running on liquid or gassous fuel, with vapour withdrawal and an I.C. engine/vehicle comprising the same.

371/Mum/2000. Shah Nilesh Chandrakant. An improved conversion kit for a two stroke carburetor I.C. engine running an liquid or gaseous fuel (CNG) and a two stroke I.C. engine/vehicle comprising the same.

372/Mum/2000. Shah Nilesh Chandrakant. An improved conversion kit for two stroke I.C. engines running on liquid or gassous fuel, with liquid and withdrawal and an I.C. engine/vehicle comprising the same.

20-04-2000

373/Mum/2000. Safala P. Malshe. New Micronutrients from organic materials.

374/Mum/2000. Praxair Technology, Inc., U.S.A. Method and apparatus for agglomerating fine snow particles.

375/Mum/2000. India Petrochemicals Corporation Limited. A process for the preparation of a novel dehydrogenation catalyst.

376/Mum/2000. Bayer Aktiengesellschaft. Substituted thienocycloalk (EN) ylamo-1, 3, 5-triazines. (Priority date 12-05-99) Germany.

377/Mum/2000. IIT Bambay Indian Institute of Technology. A method of coating steel components with diamond by chemical vapour deposition (CVD) and steel components obtained thereby.

378/Mum/2000. 4P Verpackungen Ronsbrg GmbH. Process for the production of a pack. (Priority date 28-05-99) Germany.

379/Mum/2000. Prem Sarogi. Improvements in or relating to built welding of lids to drum bodies of containers.

380/Mum/2000. Insovolta-ostereichische isolierstoffwerke Aktiengesellschaft Fraunhaffer-Gesellschaft Zur Förderung Der Angewandten Forschung E.V. Photovoltaic module and method for producing same.

24-04-2000

381/Mum/2000. Mohan Madhav Bhardwaj. Filter element assembly for water filter.

382/Mum/2000. Electrical Research & Development association. A circuit arrangement for testing the breaking capacity of low voltage hrc fuses.

383/Mum/2000. Smithkline Beecham Corporation. Mytil kinase inhibitors.

384/Mum/2000. DSM Fine Chemicals Austria GmbH. Process for the preparation of 2, 3-pyridinedicarboxylic acids (Priority date 10-5-99) Austria.

385/Mum/2000. Flameproof Equipment Pvt. Ltd. Chamber system for heating of lpg cylinder.

386/Mum/2000. Sanjay Damji Shah. An improved switch.

25-04-2000

387/Mum/2000. Andrew Corporation. Antenna structure installation. (Priority date 26-4-99 & 21-10-99) U.S.A.

26-04-2000

388/Mum/2000. Khopkar Rahul Vijaykumar. A novel inverter/converter (or an apparatus for transforming energy).

389/Mum/2000. Knopkar Rahul Vijaykumar. Apparatus & method to achieve higher information rates.

390/Mum/2000. Godrej Soaps Limited. Organic surfactant salt.

391/Mum/2000. Uprety Deep Chandra. Safety helmet with lighting indicators.

392/Mum/2000. Pfizer Products Inc. Compounds for the treatment of obesity. (Priority date 30-4-99) U.S.A.

393/Mum/2000. Sony Corporation. Broadcast receiver, control method therefor and program. (Priority date 28-4-99) Japan.

394/Mum/2000. Rhein Chemie Rheinau GmbH. Polyurethane-rubber compounds containing modified rubber gels. (Priority date 29-4-99) Germany.

395/Mum/2000. Westinghouse Air Brake Company. Manual empty/load device. (Priority date 28-4-99) U.S.A.

28-4-2000

396/Mum/2000. Hindustan Lever Limited. Improved flour Composition.

2-5-2000

397/Mum/2000. Endress + Hauser Flowtec Ag. Method of measuring the mass flow rate of a gaseous or vaporous fluid.

398/Mum/2000. Praxair Technology, Inc. Cryogenic air separation system for producing moderate purity oxygen & moderate purity nitrogen.

399/Mum/2000. Pfizer Products Inc. Substituted benzoflactam compounds. (Priority date 6-5-99) U.S.A.

400/Mum/2000. Smiths Industries Public Limited Co. Syringe pumps. (Priority date 12-5-99) U.K.

401/Mum/2000. Hindalco Industries Limited. Alumina conveying system.

402/Mum/2000. Hindustan Lever Limited. Detergent for composition with benefit agents.

3-05-2000

403/Mum/2000. Ushakant Shankarhai Shah. Control of air-borne contamination by the combined treatment of air washing enclosure effect and UV sanitization.

404/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Fuel inlet seal structure in fuel tank for motorcycle. (Priority date 7-6-99) Japan.

405/Mum/2000. Bayer Aktiengesellschaft. Process for the continuous preparation of thermoplastically processable polyurethanes with improved softening properties.

406/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Automatic engine stoppage/start-up control system. (Priority date 7-6-99) Japan.

407/Mum/2000. Ashok Datatraya Atre. Improved bag filter for separating solid particles from air/gases.

408/Mum/2000. Mohan Madhav Bharadwaj. A straw for cold drinks.

4-05-2000

409/Mum/2000. Bhatnagar Rajiv. Configurable electronic controller.

410/Mum/2000. Nikhil Shankarlal Vashi. A self-locking orthodontic bracket.

411/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Filler neck attachment structure for radiator in motorcycle. (Priority date 7-6-99) Japan.

412/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Support structure of crank shaft. (Priority date 4-6-99) Japan.

413/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Scooter-type vehicle. (Priority date 7-6-99) Japan.

05-05-2000

414/Mum/2000. Praxair Technology, Inc. Carbon dioxide cleaning system with improved recovery.

415/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Front wheel steering system of motorcycle. (Priority date 8-6-99) Japan.

416/Mum/2000. Sony Corporation. Optical recording medium. (Priority date 13-5-99) Japan.

8-05-2000

417/Mum/2000. Wockhardt Limited. A process for the preparation of pharmaceutical compositions containing benzoquinolozines and method of use thereof.

418/Mum/2000. Thermax Limited. An improved fluidized bed thermic fluid heat exchanger and an improved method for the recovery of heat in a thermic fluid fluidized bed heat exchanger.

419/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Power unit for motorcycle. (Priority date 24-6-99) Japan.

420/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Seating detecting device for motorcycles. (Priority date 7-6-99) Japan.

421/Mum/2000. Pfizer Products Inc. Process for the synthesis of nucleoside analogs. (Priority date 11-5-99) U.S.A.

422/Mum/2000. Sony Corporation. Optical output adjustment apparatus and optical output. (Priority date 19-5-99) Japan.

9-05-2000

423/Mum/2000. Hindustan Lever Ltmitd. Soil release agents for detergent formulations.

424/Mum/2000. Babubhai Navubhai Patel (Gajera). An invention for long lasting mechanical energy regulator cum brake.

425/Mum/2000. Babubhai Nanubhai Patel (Gajera). An invention for new internal frame structure for cement slab.

426/Mum/2000. Babubhai Nanubhai Patel (Gajera). An invention for long lasting mechanical energy regulator cum brake.

427/Mum/2000. Bayer Aktiengesellschaft. α -phenyl- β ketosulfone. (Priority date 28-05-99) Germany.

428/Mum/2000. Terrasun I I C. Device for concentrating optical radiation. (Priority date 28-05-99) U.S.A.

429/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Exhaust emission control system for motorcycle. (Priority date 7-6-99) Japan.

430/Mum/2000. Westinghouse Air Brake Company. A suspension system for a truck mounted brake assembly. (Priority date 24-5-99) U.S.A.

431/Mum/2000. Jay Raj Santos. An inter active audio-video playing and/or recording system (music kiosk).

10-05-2000

432/Mum/2000. Bayer Aktiengesellschaft. Polycarbonate moulding compositions for the production of articles which exhibit a reduced take-up of dust. (Priority date 1-6-99) Germany.

10-05-2000

433/Mum/2000. AstraZeneca UK Limited. Pharmaceutical compositions. (Priority date 13-5-99) U.K.

434/Mum/2000. Zip Telecom Limited. Advanced payphone system and method for advertising on payphones over a communication network.

11-05-2000

435/Mum/2000. Tata Consultancy Services. Apparatus and methods adapted to improve reading skills.

436/Mum/2000. Bayer Aktiengesellschaft. A process for the continuous preparation of melt processable polyurethanes with improved softening behaviour. (Priority date 26-5-2000) Germany.

437/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Automatic engine stoppage/start-up control system. (Priority date 7-6-99) Japan.

438/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Automatic engine stoper/start-up control system. (Priority date 7-6-99) Japan.

12-05-2000

439/Mum/2000. Sangeeta M. Sakhadeo. Solar water heating system.

440/Mum/2000. Rajdeep Gopal Sagdeo, Sanjay Divakar Kulkarni. A machine to rectify the matching surfaces of bowl mill and shaft of coal fired thermal power station.

441/Mum/2000. Voest-alpine Industrieanlageban GmbH. Apparatus for cleaning and/or dedusting waste gas streams containing dust. (Priority date 21-6-99) Austria.

442/Mum/2000. Essel Packaging Limited. A flexible packaging.

443/Mum/2000. Gadkari Amit Sunil. A device for the solar heating of liquid and its storage.

13-05-2000

444/Mum/2000. Herdillia Chemicals Limited. A process for simultaneous production of trans-3, 3, 5-trimethyl cyclohexyl ethyl thier and trans-3, 3, 5-trimethyl cyclohexanol from 3, 5, 5-trimbthyl-2-cyclohexen-1-one I.E. isophorone.

445/Mum/2000. Pfizer Products Inc. New Pharmaceutical combinations for nos inhibitors. (Priority date 21-5-99) U.S.A.

446/Mum/2000. Pfizer Products Inc. Heterocyclic derivatives useful as anticancer agents. (Priority date 19-5-99) U.S.A.

447/Mum/2000. Pfizer Products Inc. Novel crystalline forms of a macrolide antibiotic. (Priority date 18-5-99) U.S.A.

448/Mum/2000. Sony Corporation. Receiving apparatus and receiving method and medium. (Priority date 18-5-99) Japan.

16-05-2000

449/Mum/2000. Korea Institute of Science and Technology. Humanized antibody specific for surface antigen pre-S1 of HBV and preparation method thereof.

450/Mum/2000. Nakoda Textile Industries Limited. An apparatus for packaging of yarn spools.

451/Mum/2000. Jeevankumar Hariram Hemrajani. Moulded (in-built) jet spray nozzle for water closet seat.

452/Mum/2000. Bayer Aktiengesellschaft. Substituted 2-aryl-1, 2, 4-triazine-3, 5-DI (thi) ones. (Priority date 4-6-99) Germany.

453/Mum/2000. Bayer Corporation. Process for manufacture of N-alk(en) oxy (or aryloxy) carbonyl isothiocyanates and their derivatives in the presence of N, N-dialkylarylamine catalyst.

17-05-2000

454/Mum/2000. Godrej Soaps Limited. A process for preventing aggregation of fatty alcohol.

455/Mum/2000. Dr. Bosco Maria Agneto Henriques. Gel-dryer.

456/Mum/2000. Pfizer Products Inc. 1-trifluoromethyl-4-hydroxy-7-piperidinylamino-methylchroman derivatives. (Priority date 21-5-99) U.S.A.

457/Mum/2000. Nihon Bayer Agrochem K. K. Novel tertrazolinone derivatives. (Priority date 21-5-99) Japan.

19-5-2000

458/Mum/2000. Mohan Shriram Kamble. Sangmo water cooler.

459/Mum/2000. Government College of Engineering Sangmo road speed breakers.

460/Mum/2000. Premark RWP Holdings, Inc. Coated pressing surface for abrasion resistant laminate and making laminates therefrom. (Priority date 22-6-99) U.S.A.

461/Mum/2000. Endress + Hauser Flowtec Ag., Switzerland. Mass flow rate measurement circuit of a coriolis mass flow/density meter.

462/Mum/2000. Vinay Chauhan. Relating to circuit panel for recording run-hr. function of the air conditioner.

463/Mum/2000. Pfizer Products Inc. 13-methyl erythromycin derivatives. (Priority date 24-5-99) U.S.A.

464/Mum/2000. D'Souza Francis Simon. Composite construction system using self supporting panel elements.

465/Mum/2000. Vipin Champsey Shah. A solar power generator-cum-desalinator.

466/Mum/2000. Pfizer Products Inc. Process for cis-1-(2-(4-(6-methoxy-2-phenyl-1, 2, 3, 4-tetrahydronaphthalen-1-yl) phenoxy)ethyl) pyrrolidine. (Priority Date : 24-5-99) U.S.A.

467/Mum/2000. Fraxair Technology, Inc. Shielding gas mixture for gas-metal arc welding.

468/Mum/2000. Proxair Technology, Inc. Pressure swing adsorption process and apparatus.

23-5-2000

469/Mum/2000. Hindustan Lever Limited. An improved washing process.

470/Mum/2000. Pfizer Products Inc. Mutual prodrugs of amlodipine and atorvastatin. (Priority Date : 27-5-99) U.S.A.

471/Mum/2000. Pfizer Products Inc. Mutual salt of amlodipine and atorvastatin. (Priority Date : 27-5-99) U.S.A.

472/Mum/2000. Pfizer Products Inc. Ziprasidone suspension. (Priority Date : 27-5-99) U.S.A.

473/Mum/2000. Bosco Maria Agnelo Henriques. A UV transilluminator.

25-5-2000

474/Mum/2000. Hindustan Lever Limited. Turmeric as an anti-irritant in compositions containing hydroxy acids or retinoids. (Priority Date : 27-5-99) U.S.A.

475/Mum/2000. M. V. S. Murthy. Multi scanner.

476/Mum/2000. Pfizer Products Inc. 3-(Arylsulfonylamino)-tetrahydropyran-3-carboxylic acid hydroxamides. (Priority Date : 28-5-99) U.S.A.

477/Mum/2000. Pfizer Products Inc. 3-(Arylsulfonylamino)-tetrahydropyran-3-carboxylic acid hydroxamides. (Priority Date : 28-5-99) U.S.A.

478/Mum/2000. Rohm and Haas Company. Method of producing a two-pack fast setting paint composition and the paint composition therefrom. (Priority Date : 1-6-99) U.S.A.

479/Mum/2000. AVL List GMBH. Four-stroke internal combustion engine with at least two inlet valves. (Priority Date : 14-3-2000) Austria.

480/Mum/2000. IIT Bombay, Indian Institute of Technology. A compact drive mechanism of a reciprocating machine.

26-5-2000

481/Mum/2000. Lupin Laboratories Limited. A process for preparation of a synergistic pharmaceutical composition for prophylactic treatment of migraine.

482/Mum/2000. Nazara Com Private Limited. Internet game web housie.

483/Mum/2000. Anand Hatvalne. Non-Oil polymer binder for coatings.

29-5-2000

484/Mum/2000. Pfizer Products Inc. Polymorphs of a crystalline azo-bicyclo (2,2,2) oct-3-yl amine citrate and their pharmaceutical compositions. (Priority Date : 1-6-99) U.S.A.

485/Mum/2000. Bayer Aktiengesellschaft. Polycarbonate moulding compositions having good demoulding and mould bodies and semi-finished products having good surface slip characteristics produced therefrom. (Priority Date : 1-6-99) Germany.

486/Mum/2000. Pfizer Products Inc. Polymorphs of a crystalline azobicyclo (2,2,2) octan-3-amine citrate and their pharmaceutical compositions. (Priority Date : 1-6-99) U.S.A.

487/Mum/2000. Bayer Aktiengesellschaft. Diene rubber compounds for improved rubber moldings. (Priority Date : 4-6-99) Germany.

488/Mum/2000. Lupin Laboratories Limited. A synergistic aqueous pharmaceutical composition for prophylactic treatment of migraine.

489/Mum/2000. Nicholas Piramal India Limited. A method for producing a combination kit used in the treatment of malaria.

490/Mum/2000. Bayer Aktiengesellschaft. Pyridine carbamidies. (Priority Date : 9-6-99 & 2-12-99) Germany.

491/Mum/2000. Pfizer Inc. Metalloprotease inhibitors. (Priority Date : 3-6-99) Great Britain.

492/Mum/2000. Mitsui Chemicals Inc. 5-aminopyrazole-4-carboxylate derivatives and process for preparing the same. (Priority Date : 18-6-99) Japan.

493/Mum/2000. Patankar Sanjeev Digambar. Invention for a laboratory scale-solid state fermentor for organic acids title named as dest-e-sar-Ssf for organic acids.

494/Mum/2000. Ashutosh Padmaakar Jahagirdar. An improved solar water heating system.

30-5-2000

495/Mum/2000. Ajay Chimanlal Mehta. Method of manufacturing counterfeit-proof and/or alteration proof documents and a counterfeit-proof and alteration-proof document.

496/Mum/2000. J. B. Chemicals & Pharmaceuticals Ltd. A process for the preparation of controlled release formulations of nimesulide.

497/Mum/2000. J. B. Chemicals & Pharmaceuticals Ltd. Controlled release formulations of nimesulide.

498/Mum/2000. Bhartiben Jagdishbhai Gupta. Invention for R.S.S. battery.

499/Mum/2000. Bayer Aktiengesellschaft. Substituted phenyluracils. (Priority Date : 17-6-99) Germany.

31-5-2000

500/Mum/2000. Praxair Technology Inc. Stabilized prorovskite for ceramic membranes.

501/Mum/2000. Nicholas Piramal India Limited. A combination kit used in the treatment of malaria.

502/Mum/2000. Bayer Aktiengesellschaft. Electrolysis process. (Priority Date : 12-6-99) Germany.

503/Mum/2000. Pfizer Products Inc. Process for preparing seritaline from chiral tetalone. (Priority Date : 9-6-99) U.S.A.

504/Mum/2000. Shahaji Pappaji Pathak. An improved spray pump for use in agricultural industry.

1-6-2000

505/Mum/2000. Larsen & Tubro Limited. A device vibrating & accurately locating electrical contacts on base terminals in brazing.

506/Mum/2000. Bayer Aktiengesellschaft. Silicon with structured oxygen doping, its production and use. (Priority Date : 17-6-99) Germany.

507/Mum/2000. Sony Corporation. Optical recording medium and disc cartridge. (Priority Date : 22-6-99) Japan.

508/Mum/2000. Bayer Corporation. (An improved process for the manufacture of thiophosphoryl chloride. (Priority Date : 21-6-99) U.S.A.

509/Mum/2000. Bayer Aktiengesellschaft. Halogenopyrimidines (Priority Date : 18-6-99 & 4-2-2000) Germany.

510/Mum/2000. Indian Petrochemicals Corporation Limited. A process for separation & recovery of Methane from a methane-nitrogen gaseous mixture.

2-6-2000

511/Mum/2000. Ajay Ubale. Apparatus, a manufacture, and methods for making and using the same, in the field of computer system and other devices linked to the internet.

512/Mum/2000. Satish Nath Sharma, Chander Prikash Sharma. Roof mounted natural cooled dynamic braking resistor.

513/Mum/2000. Milind Madhav Vaidya. Filters for process liquids such as machine coolants, water media, petrochemicals and the like.

514/Mum/2000. Milind Madhav Vaidya. A liquid filtration system more particularly to a liquid separation having undissolved solids, typically in suspension.

515/Mum/2000. Nicholas Piramal India Limited. A method of preparing glucosamine hydrochloride.

516/Mum/2000. Nicholas Piramal India Limited. A method of extracting gum resins using liquids from natural sources.

5-6-2000

517/Mum/2000. A.A. Gonsalves. Diabetes & Heart attacks—no more.

518/Mum/2000. Krishana Kumar Surendra Singh. Cleaning composition.

519/Mum/2000. Kokam Engineering Company Limited. A lithium secondary cell and method of fabricating the same. (Priority Date : 20-12-99) Korea.

6-6-2000

520/Mum/2000. Praveen Mohan Paraksh Chhabra. Weedicide for decaying parthenium weed. Alkene chloride di sodium sulphate with carbonate.

521/Mum/2000. Alkem Laboratories Limited. An improved method of synthesising a molecule called satranidazole and the product thereof.

7-6-2000

522/Mum/2000. Dnyanraj Balwant Bhujbal. An improved side-stand for two wheelers.

523/Mum/2000. Apurvabhai Girishbhai Sheth. A system of collecting stroing & retrieving confidential data's emage & Sound.

524/Mum/2000. Outokumpu Oyj. Method for improving lubrication in rolling. (Priority Date : 14-6-99) Finland.

8-6-2000

525/Mum/2000. Dr. Bhide Ramchandra Kashinath. Valve/Intercepting Device.

526/Mum/2000. Cheng-lang Tsai. Color cable and the manufacturing method thereof.

527/Mum/2000. Nicholas Piramal India Limited. A process for the preparation of thiazolidinedione compounds.

9-6-2000

528/Mum/2000. Prabhakar Damodar Godbole. Rotary intake-cum-by-pass gate for canal based hydel power station.

529/Mum/2000. Prabhakar Damodar Godbole. Automatic rolling drum gate for use on canal cross regulator.

530/Mum/2000. Praxair Technology, Inc. Carbon dioxide recovery from an oxygen containing mixture.

531/Mum/2000. Praxair Technology, Inc. Carbon dioxide recovery with composite amine blends.

532/Mum/2000. Praxair Technology, Inc. System for recovering carbon dioxide from a lean feed.

533/Mum/2000. Sandeep Surechand Bonhia. Adjustable roof support system & the like.

12-6-2000

534/Mum/2000. Atil Duruwalla. The Battery reviver unit.

535/Mum/2000. Nikul Vinlobhai Patel. Roller scooter (a new kind of cycle).

536/Mum/2000. Sharma Gopal Nidhi, Sharma Peeyush Nidhi, Sharma Divya Nidhi. A method to produce molten iron from iron oxides by the heating and reducing action of hot biogases generated from organic waste materials.

537/Mum/2000. Bayer Aktiengesellschaft. Phenoxyfluoroprimidines. (Priority Date : 18-6-99 & 11-2-2000) Germany.

538/Mum/2000. Prakash Krishna Ratnaparkhi. A scale for machine tools.

13-6-2000

539/Mum/2000. Pfizer Inc. Purine derivatives. (Priority Date : 15-6-99) U.K.

540/Mum/2000. R. K. Panthaki. Energy saver.

541/Mum/2000. Indian Rare Earths Limited. An improved process for recovery of zirconium values from zircon.

542/Mum/2000. Indian Rare Earths Limited. An improved process for the manufacture of zirconia from zircon.

543/Mum/2000. Indian Rare Earths Limited. An improved process for manufacture of zirconium chemicals.

544/Mum/2000. Indian Rare Earths Limited. A process for producing purified zirconium oxychloride from zircon and/or any zirconium bearing material.

545/Mum/2000. Indian rare Earths Limited. A process for manufacture of single dopent stabilised zirconium oxide.

546/Mum/2000. Indian Rare Earths Limited. A process for manufacture of alkaline earth silicate containing zirconium oxide from alkali soluble silicates containing zirconium values.

547/Mum/2000. Indian Rare Earths Limited. A process for the manufacture of silica containing zirconium oxide from silicic acid gel.

548/Mum/2000. Indian Rare Earths Limited. An improved process for production of high grade synthetic Rutile from titaniferous ores.

549/Mum/2000. Indian Rare Earths Limited. A process for the recovery of titanium dioxide bearing minerals from alumina refinery waste.

550/Mum/2000. Praxair Technology, Inc. Oxygen delignification of lignocellulosic material.

14-6-2000

551/Mum/2000. Bayer Aktiengesellschaft. New Light Diffusing polycarbonates.

552/Mum/2000. Pfizer Products Inc. Novel processes and intermediates. (Priority Date : 18-6-99) U.S.A.

16-6-2000

553/Mum/2000. Shrikant Narayan Prabhudesia. An improved method and an apparatus for simultaneously forming, filling and sealing multiple pouches.

554/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Exhaust emission control device. (Priority Date : 25-6-99 & 25-6-99) Japan.

555/Mum/2000. Bayer Aktiengesellschaft. Pyrrole derivatives. (Priority Date : 25-6-99) Germany.

19-6-2000

556/Mum/2000. System & Controls. Under current tripping system.

557/Mum/2000. Lupin Laboratories Limited. An improved process for manufacture of (6R, 7R)-7-amino-3-[2, 5-dihydro-6-hydroxy-2-methyl-5-OXO-AS triazin-3-YL) thio] methyl -3-cephem-4-carboxylic acid.

558/Mum/2000. Vivek Kaushik. An ice cream mix powder and to a process for the preparation thereof.

559/Mum/2000. Pfizer Products Inc. Polymorphs of a crystalline azo-bicyclo 2, 2, 2, oct-3-yl amine dihydrochloride and their pharmaceutical compositions. (Priority Date : 22-6-99) U.S.A.

560/Mum/2000. Bayer Corporation. Process for the continuous preparation of quinacridones. (Priority Date : 13-7-99) U.S.A.

20-6-2000

561/Mum/2000. Ajanta Pharma Limited. Process for preparing controlled release formulations of nimesulide.

562/Mum/2000. Siddharth Bhupatrai Doshi. Self interlocking paper slider pack assembly.

563/Mum/2000. Kirloskar Copeland Limited. Hermetically sealed compressors.

564/Mum/2000. Kirloskar Copeland Limited. Hermetically sealed compressors.

565/Mum/2000. Kirloskar Copeland Limited. Hermetically sealed compressors.

566/Mum/2000. Kirloskar Copeland Limited. Hermetically sealed compressors.

567/Mum/2000. Ashok Kumar Jain. A method & apparatus for simplifying insurance policy renewal process.

568/Mum/2000. Concentric Pumps Limited. Improvements in pump housings for internal combustion engines. (Priority Date : 23-6-99 & 21-7-99) Great Britain.

21-6-2000

569/Mum/2000. United Phosphorus Limited. A synergistic insecticidal composition of cypermethrin and quinalphos.

570/Mum/2000. United Phosphorus Limited. An enhanced synergistic fungicidal composition of carbendazim and mancozeb containing a stabilizing dye.

571/Mum/2000. United Phosphorus Limited. A composition for dry-flow, low-compact, dust free of granules cypermethrin.

572/Mum/2000. United Phosphorus Limited. A process for preparation of dry flow low compact dust free granules of cypermethrin.

573/Mum/2000. Bharat Serums & Vaccines Limited. process for preparation of parenteral composition of propofol.

22-6-2000

574/Mum/2000. VIP Industries Limited. A luggage case comprising a divider panel defining an isolated accessible compartment.

575/Mum/2000. Tata Research Development & Design Centre. A process for the flocculation of colloidal suspension using ultra low concentration (PPB, i.e. Parts per billion) of low molecular weight polymer.

576/Mum/2000. Haarmann & Reimer GmbH. Topical cosmetic compositions comprising benzaldoximes. (Priority Date : 8-7-99 & 26-1-2000) Germany.

577/Mum/2000. Bayer Aktiengesellschaft. Substituted phenyluracils. (Priority Date : 14-7-99) Germany.

578/Mum/2000. Bayer Aktiengesellschaft. Polycarbonate & moulded bodies thereof. (Priority Date : 19-7-99) Germany.

579/Mum/2000. Sony Corporation. Fastener for packaging. (Priority Date : 24-6-99) Japan.

580/Mum/2000. Padia Bhadresh K. A process for preparation of N-acetylated product of primary & secondary amines.

23-6-2000

581/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Thermostat attachment structure for a water-cooled internal combustion engine. (Priority Date : 22-6-99) Japan.

582/Mum/2000. Honda Giken Kogyo Kabushiki Kaisha. Intake noise damping structure of intake system in motorcycle. (Priority Date : 5-7-99) Japan.

583/Mum/2000. United Phosphorus Limited. An enhanced synergistic insecticidal composition of cypermethrin having cis-isomer 80% (30 G) + quinalphos (200 G) 23 ec (w/w).

26-6-2000

584/Mum/2000. Sulzer Turbo AG. Turbocompressor.

585/Mum/2000. Sulzer Turbo AG. Turbocompressor.

586/Mum/2000. Pfizer Products Inc. Diphosphate salt of a 4"-substituted-9-deoxy-9A-aza-9A-homoerythromycin derivative and its pharmaceutical composition. (Priority Date : 30-6-99) U.S.A.

587/Mum/2000. Pfizer Inc. Pharmaceutical complex. (Priority Date : 29-6-99) U. K.

27-6-2000

588/Mum/2000. Praxair Technology, Inc. Cryogenic rectification system for producing oxygen product at a non-constant rate.

589/Mum/2000. Praxair Technology, Inc. PFC recovery using condensation.

28-6-2000

590/Mum/2000. Bakulesh Mafatlal Khamar. The process for preparing isotonic topical antibiotic ophthalmic formulation.

591/Mum/2000. Bakulesh Mafatlal Khamar. Chemosensitizers.

592/Mum/2000. Bakulesh Mafatlal Khamar. The process for the preparation of a stable fixed dose pharmaceutical composition of chemosensitizer and chemotherapeutic agents, as active ingredients.

593/Mum/2000. Bakulesh Mafatlal Khamar. Antimycobacterial agent.

594/Mum/2000. Bakulesh Mafatlal Khamar. The process for preparing topical ocular hypotensive agent.

595/Mum/2000. Bakulesh Mafatlal Khamar. The process for preparing pharmaceutical composition for the treatment of drug resistant mycobacterium tuberculosis infection.

596/Mum/2000. Bakulesh Mafatlal Khamar. The method of treating drug resistant mycobacterium tuberculosis infection.

597/Mum/2000. Bakulesh Mafatlal Khamar. Agents for reversal of drug resistance in mycobacterium tuberculosis.

598/Mum/2000. Bakulesh Mafatlal Khamar. The process for preparing pharmaceutical composition for the treatment of drug resistant mycobacterium tuberculosis infection.

599/Mum/2000. Bakulesh Mafatlal Khamar. The process for preparing pharmaceutical composition for the treatment of drug resistant mycobacterium tuberculosis infection.

600/Mum/2000. Bakulesh Mafatlal Khamar. The process for preparing pharmaceutical composition for the treatment of drug resistant mycobacterium tuberculosis infection.

601/Mum/2000. Dr. Bakulesh Mafatlal Khamar. The process for preparing pharmaceutical composition for the treatment of drug resistant mycobacterium tuberculosis infection.

602/Mum/2000. Dr. Bakulesh Mafatlal Khamar. The process for preparing pharmaceutical composition for the treatment of drug resistant mycobacterium tuberculosis infection.

603/Mum/2000. Bayer Aktiengesellschaft. Substituted thien-3-yl-sulphonylamo (thio) carbonyltriazoline (ethi) ones. (Priority Date : 15-7-99) Germany.

29-6-2000

604/Mum/2000. Fag Oem Und Handel AG. Sheet-metal cage for a rolling bearing. (Priority Date : 2-7-99) Germany.

605/Mum/2000. Praxair Technology, Inc. Method of making supersaturated oxygenated liquid.

30-6-2000

606/Mum/2000. Bayer Aktiengesellschaft. Substituted heteroaryloxyacetanilides. (Priority Date : 20-7-99) Germany.

607/Mum/2000. Smiths Industries Public Limited Com. Syringe pumps. (Priority Date : 3-7-99) U.K.

608/Mum/2000. Shailesh Manshanar Joshi. Core protected welding electrodes for total alloying and process of manufacturing thereof.

609/Mum/2000. Praxair Technology, Inc. Cryogenic rectification system for producing fuel and high purity methane.

3-7-2000

610/Mum/2000. Dr. Bakulesh Mafatlal Khamar. Compounds synergistic to chemotherapeutic agents for tuberculosis.

611/Mum/2000. Dr. Bakulesh Mafatlal Khamar. The process of preparing pharmaceutical composition with improved antimycobacterial effect.

612/Mum/2000. Dr. Bakulesh Mafatlal Khamar. Method of improving efficacy of mycobacterial infection management.

613/Mum/2000. Westinghouse Air Brake Company. Low profile air cooled air compressor & aftercooler. (Priority Date : 14-7-99) U.S.

614/Mum/2000. Devarajan Padma Venkitachalam. Medicament adsorbates of basic drugs & their preparation.

4-7-2000

615/Mum/2000. CMS Computers Limited. Computer based bill payment machine.

616/Mum/2000. Mujahid Iqbal Inamdar. An improved air conditioning system.

617/Mum/2000. Mitsubishi Heavy Industries Limited. Method & apparatus for producing reduced iron. (Priority Date : 10-9-99) Japan.

618/Mum/2000. Mitsubishi Heavy Industries Limited. Apparatus for producing reduced iron & compact drying method applied to the apparatus. (Priority Date : 17-9-99) Japan.

619/Mum/2000. Stein Heurtey. Method & device for eliminating strip vibration in zones into which gas is below, particularly cooling zones. (Priority Date : 6-7-99) France.

5-7-2000

620/Mum/2000. Mitsubishi Heavy Industries Limited. Apparatus for producing reduced iron. (Priority Date : 7-9-99) Japan.

621/Mum/2000. Nicholas Piramal India Limited. A method of isolating 3-[1-[4-[(6-methoxy-8-quinolyl)-amino] pentyl] amino] ethylidene]-dihydro-2-(3h) furanone.

622/Mum/2000. Ajit Kumar Rajeshwari Prasad. Devices & methods for integrating individuals having a common interest geographically using the internet.

623/Mum/2000. Kirloskar Copeland Limited. Hermetically sealed compressors.

6-7-2000

624/Mum/2000. Bayer Aktiengesellschaft. Optically active thiénylalkylamino-1, 3, 5-triazines. (Priority Date : 20-7-99) Germany.

625/Mum/2000. Bristol-Myers Squibb Company. Flash-melt oral dose formulations. (Priority Date : 12-4-2000) U.S.A.

626/Mum/2000. Carl Cheung Tung Kong. Drink dispenser for collapsible liquid containers. (Priority Date : 29-2-2000) U.S.A.

627/Mum/2000. Multimatic Inc. An automatic sliding door opening/closing system.

628/Mum/2000. Multimatic Inc. Integrated door check hinge for automobiles. (Priority Date : 7-7-99) Canada.

629/Mum/2000. VIP Industries Limited. Luggage case anchoring system.

7-7-2000

630/Mum/2000. Pankitbhai J. Basopia. Multi wrench.

631/Mum/2000. Soul Formulation Private Limited. Herbal remedies for diabetes.

632/Mum/2000. Soul Formulations Private Limited. Herbal remedies for decreasing body weight.

633/Mum/2000. Sudheer Krishnarao Barve. External exhaust airfilter for IC engines.

634/Mum/2000. Ashok Dattatraya Atre. A high efficiency energy conserving multistage evaporator cum water recycle plant (100°C).

635/Mum/2000. Ashok Dattatraya Atre. A high efficiency energy conserving multi stage evaporator cum water recycle plant (125°C).

636/Mum/2000. Cadila Pharmaceuticals Limited. The process for manufacture of 3-(9H-carbazol-4-yloxy)-2-hydroxypropyl-[2-(2-ethoxyphenoxy) ethyl] carbamic acid ethyl ester. Cas No. 141353-75-5.

637/Mum/2000. Cadila Pharmaceuticals Limited. The process for manufacture of carvedilol.

10-7-2000

638/Mum/2000. IIT Bombay Indian Institute of Technology. A process for the preparation of polymers from vinylic monomers using tetraethylthiurium monosulfide (monosulfurm) as photo initiator.

639/Mum/2000. Alston. A front face of an electronics card, An electronics card, and a method of inserting such a card into a housing & of extracting it therefrom. (Priority Date : 12-7-99) France.

640/Mum/2000. Bayer Aktiengesellschaft. Substituted thiényl (aminoo) sulphonylureas. (Priority Date : 6-8-99) Germany.

641/Mum/2000. Advanced Elastomer Systems L.P. Use of a silane grafted polyolefin in epdm/polyolefin dva to improve compressor set. (Priority Date : 23-7-99) U.S.A.

11-7-2000

642/Mum/2000. Hindustan Lever Limited. Improvements relating to hard surface clearns.

643/Mum/2000. Dr. Sharad Krishnarao Pawar. Dentifirce herbal tooth powder.

644/Mum/2000. Bayer Aktiengesellschaft. 5-Chlorodifluoromethyl-1, 3, 4-thiadiazol-2-yl-oxyacetanilides. (Priority Date : 30-7-99) Germany.

645/Mum/2000. Sulzer Chemtech AG. Method for separating profiled foils.

646/Mum/2000. Stein Heurtey. Method and equipment for cooling coils annealed in a bell furnace. (Priority Date : 21-7-99) France.

647/Mum/2000. Tata Consultancy Services. An apparatus and a method for data management.

13-7-2000

648/Mum/2000. Sony Corporation. Cut-Off adjusting apparatus. (Priority Date : 14-7-99) Japan.

649/Mum/2000. Bayer Aktiengesellschaft. Substituted heterocyclylbenzofurans. (Priority Date : 9-8-99) Germany.

650/Mum/2000. Bayer Aktiengesellschaft. Preparation of arylaminohydroxyanthraquinones. (Priority Date : 2-8-99) Germany.

651/Mum/2000. Rohm and Haas Company. Polymerpigment Composites. (Priority Date : 20-7-99) U.S.A.

652/Mum/2000. Motorola Inc. Apparatus for reducing power consumption in a communication device. (Priority Date : 20-7-99) U.S.A.

14-7-2000

653/Mum/2000. Dr. Shantaram Govind Kane. A method of preparing a herbal composition.

654/Mum/2000. Dr. Shantaram Govind Kane. A herbal composition being a medicinal substance for use by, or for promotion of resistance and health of, human beings, animals, birds, plants and other living forms.

655/Mum/2000. Sulphur Mills Limited. An improved fungicide/bactericide, namely, copper oxychloride formulation in the dry flowable form (wg) and a method of manufacturing/making & using the same.

656/Mum/2000. Sulphur Mills Limited. An improved fungicide/bactericide, namely, copper oxychloride formulation in the dry flowable form (wg) and a method of manufacturing/making & using the same.

657/Mum/2000. Sharp Industries Limited. A process of printed and holographic laminate.

658/Mum/2000. Hindustan Lever Limited. Liquid abrasive cleaning compositions.

659/Mum/2000. Prof. Ram Bahadur Singh, Dr. Mohamad Arim Niaz. A new antioxidant composition for the treatment of chronic renal failure and heart failure.

660/Mum/2000. Cadila Pharmaceuticals Limited. The process of manufacturing pharmaceutical grade tannates.

661/Mum/2000. Cadila Pharmaceuticals Limited. The process of manufacturing pharmaceutical grade tannates.

662/Mum/2000. Cadila Pharmaceuticals Limited. The process of manufacturing pharmaceutical grade tannates.

663/Mum/2000. Cadila Pharmaceuticals Limited. The process for purification of lipoproteins.

664/Mum/2000. Bayer Aktiengesellschaft. Substituted heterocycl-2h-chromenes. (Priority Date : 10-8-99) Germany.

665/Mum/2000. Bayer Aktiengesellschaft. Substituted 2-imino-thiazolines. (Priority Date : 10-8-99) Germany.

666/Mum/2000. Nihon Bayer Agrochem K. K. Novel tetrazolinone derivatives. (Priority Date : 10-8-99) Japan.

17-7-2000

667/Mum/2000. Hindustan Lever Limited. Improved dispensing machine.

668/Mum/2000. Prof. Rambhadur Singh, Dr. Mohammad Arif Naiz. A process of preparing a new antioxidant composition for the treatment of chronic renal failure and heart failure.

669/Mum/2000. Prasad Prakash Tate. A novel electronic system of interactive devices for sports and tournaments.

18-7-2000

670/Mum/2000. Rhen Chemie Rheinau GMBH. A process for inhibiting the emission of hydrogen sulfide and/or mercaptans from sulfurized organic compounds. (Priority Date : 29-7-99) Germany.

19-7-2000

671/Mum/2000. United Phosphorus Limited. A storage stable insecticidal and acaricidal composition of 2-chloro-2-diethylcarbamoyl-1-methylvinyldimethylphosphate (phosphamidon).

672/Mum/2000. United Phosphorus Limited. A process for the preparation of a storage stable insecticidal, acaricidal composition of 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethylphosphate 9 phosphamidon).

673/Mum/2000. Dadyburor, Poland Khushroo. Creation of marketplace for intellectual capabilities in cyberspace.

674/Mum/2000. Essel Packaging Limited. A flexible packaging.

675/Mum/2000. Jayantilal Otmal Jain. An improved method of manufacture of easily removable and installable flush type electrical switches and like accessories.

20-7-2000

676/Mum/2000. Bayer Aktiengesellschaft. Substituted arylalkylamino-1, 3, 5-triazines. (Priority Date : 4-8-99) Germany.

677/Mum/2000. Illinois Tool Works, Inc. Blind anchor & system) (Priority Date : 28-9-99) U.S.A.

678/Mum/2000. Seb S. A. A safety valve for a manhole pressure cooker. (Priority Date : 23-7-99) France.

679/Mum/2000. Illinois Tool Works, Inc. Method for fastening blind anchor. (Priority Date : 28-9-99) U.S.A.

680/Mum/2000. Seb S. A. An opening/closing device for a pressure cooker having a reentrant Ltd. (Priority Date : 23-7-99) France.

681/Mum/2000. Hindustan Lever Limited. Alkoxylated Amines.

21-7-2000

682/Mum/2000. Bayer Aktiengesellschaft. Aminosalicylamides. (Priority Date : 16-8-99) Germany.

683/Mum/2000. Ashok Sitaram Spre. A novel drawing toolkit for blind persons.

684/Mum/2000. Taparia Tools Limited. An improved tool for applying circlips.

685/Mum/2000. United Riceland Limited. An improved sack for storing & transportation of grain, typically cereal grain.

24-7-2000

686/Mum/2000. Cadila Pharmaceuticals Limited. The process for preparing a stable & palatable pharmaceutical composition containing fat soluble vitamins with vitamin C.

687/Mum/2000. Cadila Pharmaceuticals Limited. The process for manufacturing of clear liquid pharmaceutical composition of azithromycin.

688/Mum/2000. Cadila Pharmaceuticals Limited. The process for manufacturing sustained release pharmaceutical composition of metformin.

689/Mum/2000. Cadila Pharmaceuticals Limited. The process for manufacturing pharmaceutical composition for providing passive immunity to canine.

690/Mum/2000. Alston. A device for protecting a drawer electromagnetically. (Priority Date : 30-7-99) France.

691/Mum/2000. Westinghouse Air Brake Company. Brake shoe with insert bonded to backing plate. (Priority Date : 6-8-99) U.S.A.

692/Mum/2000. Effiserve Enterprise. Toothbrush thumb grip/neck portion.

693/Mum/2000. Sarvarkhan Ruafkhan Pathan. Dye applicator comb.

25-7-2000

694/Mum/2000. Atul Janardan Shukla. Biodegradeble vehicles & delivery systems of biologically active substances.

695/Mum/2000. Gopal M. Nalamwar. An improved traffic control signal having duration indication means.

26-7-2000

696/Mum/2000. Futuristic Tapes Pvt. Ltd. An improved tamperproof sealing tapes.

697/Mum/2000. Ein Kohsan Company Limited. Photocatalytic pulp composition, photocatalytic pulp foam using photocatalytic pulp composition, moldedphotocatalytic pulp using said photocatalytic pulp composition & molded photocatalytic pulp form using said photocatalytic pulp form as well as process for producing said photocatalytic pulp composition, said photocatalytic pulp form, said molded photocatalytic pulp and said molded photocatalytic pulp form and apparatus for producing said photocatalytic pulp composition.

698/Mum/2000. Prakash Sekhani Karta (H.U.F.). An improved core type gas refrigerant filter drier.

699/Mum/2000. Rajendra Majunath Bhat. Terminal protector for power cables terminations.

700/Mum/2000. Bayer Aktiengesellschaft. Process for preparing 4, 6-dichloro-5-fluoropyrimidine. (Priority Date : 18-8-99 & 11-10-99) Germany.

27-7-2000

701/Mum/2000. Dr. Sonavane Vinayakumar Sudhakar. Yeshoda-process.

702/Mum/2000. Sulzer Orthopedices Limited. Bone plate for splinting a fracture at a bone with a plurality of bone screws.

703/Mum/2000. Goboard International S. A. System and method for displaying advertising. (Priority Date : 10-3-2000) U.S.A.

704/Mum/2000. Godrej & Boyce Mfg. Co. Ltd. An improved locking device with an improved key.

705/Mum/2000. Godrej & Boyce Mfg. Co. Ltd. A surface mounted door lock.

706/Mum/2000. Godrej & Boyce Mfg. Co. Ltd. A surface mounted door lock.

707/Mum/2000. Kamal Kantilal Shah. An ayurvedic vapour & rub ointment/paste/Lotion/cream/liquid prepared with ginger oil.

708/Mum/2000. M. Mohan Rao, Akhilesh Agrawal, Sunil Chaturvedi. Dewas roof water harvesting filter.

709/Mum/2000. Bayer Aktiengesellschaft. Process for preparing monodisperse ion exchangers having chelating functional group and the use of these. (Priority Date : 27-8-99 & 12-11-99) Germany.

710/Mum/2000. Bayer Aktiengesellschaft. Selective herbicides based on a substituted phenylsulphonylaminocarbonylazolinone & safeners. (Priority Date : 27-8-99) Germany).

28-7-2000

711/Mum/2000. Hanul Engineering Pvt. Ltd. A process of treatment & Decolourization of molasses based primary treated distillery effluent by advance oxidation process (AOP) with ozone.

712/Mum/2000. Ultimate Fiescos Limited. A novel surface plaster for walls, chilines & the like and a process for manufacturing the same.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

स्वीकृत सम्पूर्ण विनिर्देश

एन्डवारा यह सूचना दी जाती है कि संबंधित आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके नियम की तिथि से चार (4) महीने या अधिक पांच अवधि तो तक चार (4) गहीने की अवधि की समाप्ति के पहले, पेटेंट (मंदिर) नियम, 1999 के तहत विहित प्रस्तुत 4 पर अगर बाबीधि

हो, एक महीने की अवधि से अधिक न हो, के भीतर क्षमी भी निवारक एकस्त को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रस्तुत 7 दर दे सकते हैं। विरोध संबंधी लिखित दबतप्पे दो प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (मंदिर) नियम, 1999 द्वारा संशोधित नियम 36 के तहत यथाविहीन उक्त सूचना के तिथि से 60 दिन के भीतर फाइल कर दिये जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के इनमें हैं।

विनिर्देश तथा चित्र आरेख, यदि कोई हो, वे अंदित प्रतियों की आपूर्ति पेटेंट कार्यालय वा उसके साथ कार्यालयों से ध्याविहित पंदीत प्रति शुल्क उसके दस्तावेज के 10 रुपए प्रति पेट धन 30/- रुपये की बदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं है, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंदर प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके साथ कार्यालयों से ध्याविहित पंदीत प्रति शुल्क उसके दस्तावेज के 10 रुपए प्रति पेट धन 30/- रुपये की बदायगी पर की जा सकती है।

Int. Cl¹ : C 07 c 121/32. 184881

Ind. Cl. : 32 F 2(c).

A PROCESS FOR PRODUCING AN UNSATURATED NITRILE SUCH AS ACRYLONITRILE OR METHACRYLONITRILE.

Applicant :

ASAHI KASEI KOGYO KABUSHIKI KAISHA
OF 2-6, DOJIMAHAMA 1-CHOME,
KITA-KU, OSAKA, JAPAN.

Inventors :

KEN SOMEYA AND
HIDEO MIDORIKAWA.

Application No. : 106/Cal/96 filed on 22-1-96.

(Convention No. 07-032865 filed on 31-1-95 in Japan).

Appropriate Office for opposition proceedings (Rule 4 Patent Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for producing an unsaturated nitrile such as acrylonitrile or methacrylonitrile by ammoniation of an organic compound selected from propylene, isobutene and tertiary butanol, characterized in that the process comprises carrying out the ammoniation in a fluidized bed by using an oxide catalyst comprising 70 to 30 wt% of molybdenum, bismuth and iron supported on 30 to 70 wt% of silica while controlling the time-average of the molar ratio of an organic acid present as a by-product in an ammoniation product gas (hereinafter referred to as "product gas") to unreacted ammonia (hereinafter referred to as "organic acid/unreacted ammonia ratio") at 0.8 -3.0 in a reactor, introducing said product gas into a quench tower, and reacting in the tower the unreacted ammonia with the organic acid produced in the reactor, to fix the unreacted ammonia as ammonium salt of the organic acid and to produce the said unsaturated nitrile.

(Compl. Specn. 34 Pages;

Draws. Nil Sheets)

Int. Cl⁴ : B 01 F 7/18, 9/12, 7/16, 15/06. 184882

Ind. Cl. : 132 B1XXXIV(3).

METHOD AND DEVICE FOR PREPARATION OF FLOWABLE MATERIAL.

Applicant :

LAEIS BUCHER GMBH OF OSTALLEE 3,
D-54290 TRIER,
GERMANY.

Inventor :

KARL EPING.

Application No. : 955/Cal/95 filed on 14-8-95.

Appropriate Office for opposition proceedings (Rule 4 Patent Rules, 1972) Patent Office, Calcutta.

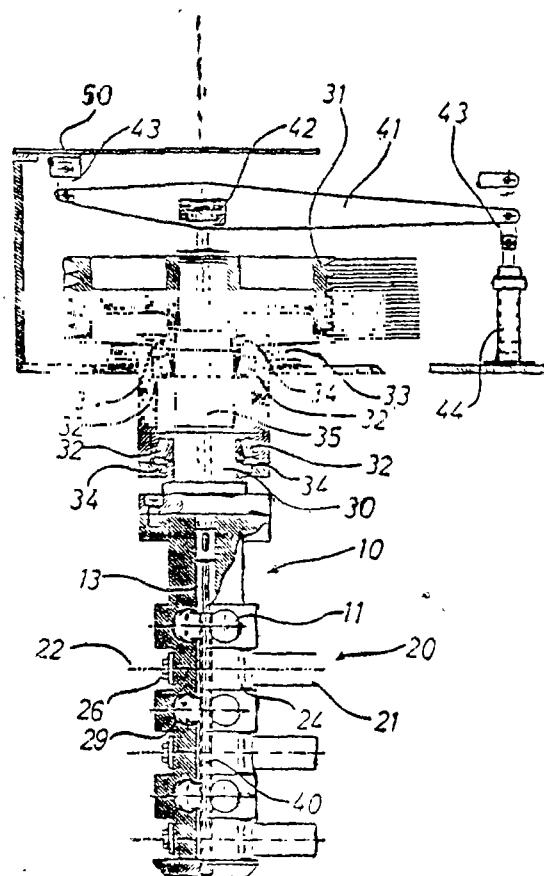
24 Claims

Method for preparation of a flowable material having the following steps :—

- a starting material as herein described is introduced to the interior of the container (100) via the filling opening (101);
- the starting material is brought to the region of mixing tools (105) of the rotor (104) by rotating the container (100) around the rotation axis (112) or by gravity;
- said rotor (104) rotates around the rotor axis (108) to subject the starting material to shear action which brings about a mixing effect, a disintegrating effect, a deaggregating effect, an agglomerating effect, a comminuting effect, a granulating effect, a condensing effect, a densifying effect, a kneading effect or a plasticizing effect;

characterised in that at positions of like radius at least two different values of the axial component of the acceleration are imparted to the boundary layer during an operation in an initial phase of material processing;

- and the axial acceleration is changed for a satisfactory processing as well as a quick effect and the processing is achieved by an improved treatment tool (20) having paddle shaped treatment areas (21) comprising means (40) for setting and changing the treating tools (20) by rotating around their respective swivel axis (22) in such a way that the axial acceleration conveyed to the border layer is changed and eliminate the additional process steps as herein described;



Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

18 Claims

A process for preparing a hydroxylated aromatic compound such as herein described by oxidation of a monocyclic aromatic compound, wherein said hydroxylated aromatic compound has one more hydroxyl group than said aromatic compound, characterized by combining said aromatic compound with nitrous oxide in a molar ratio as herein described at a reaction temperature between 225—500°C, and exposing said nitrous oxide and said aromatic compound to a heterogeneous catalyst composition comprising a high silica pentasil-type zeolite wherein said zeolite is an H-form zeolite.

(Compl. Specn. : 22 pages;

Drgn. : Nil)

Ind. Cl. : 32 A2.

184884

Int. Cl. : C 09 B 11/10.

PROCESS FOR THE PREPARATION OF TRIPHEN-METHANE COLORING AGENTS.

Applicant : CLARIANT GMBH. PATENTE, MARKEN, LIZENZEN OF BRUNINGSTRASSE 50, 65929 FRANKFURT AM MAIN, GERMANY.

Inventors :

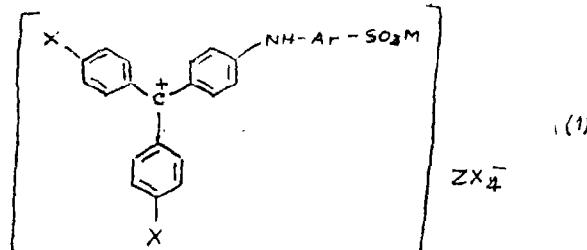
1. ARPAD ACS.
2. HANS-JOSEF REMSPERGER.
3. JURGEN BERGER.

Application No. : 1322/Cal/95 filed on 26-10-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

A process for the preparation of triphenylmethane compound of formula (1)



in which

X is halogen,

Z is iron, boron or aluminium,

M is an alkali metal or alkaline earth metal or an ammonium group and

Ar is a phenylene or naphthylene radical,

which comprises first reacting an iron, boron or aluminium trihalide complex compound of a 4, 4', 4"-trifluorophenylmethane halide with a salt of an amino-sulfonic acid or a salt of an aminonaphthalenesulfonic acid in a molar ratio of 0.6:1 to 1.4:1 at a temperature between 130 and 180°C, under a hydrogen halide partial pressure of at least 1 bar and in the presence of a polar, water insoluble organic solvent to isolate in a known manner the compound of formula (1).

(Compl. Specn. 17 pages:

Drg. Nil)

Ind. Cl. : 203.

184885

Int. Cl. : B 32 B 31/12.

A METHOD OF PRODUCING A SUBSTRATE HAVING A HOLOGRAPHIC IMAGE OR DIFFRACTION GRATING IMAGE FORMED THEREON.

Applicant : NOAVISION INC. OF 12836 SOUTH DIXIE HIGHWAY, BOWLING GREEN, OHIO 43402, UNITED STATES OF AMERICA.

Inventor : DAVID RICHARD BOSWELL.

Application No. : 1968/Cal/98 filed on 5-11-98.

(Divided out of No. 140/Cal/95 antedated to 12-9-95).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A method of producing a substrate having a holographic image or diffraction grating image formed thereon, said method comprising the steps of :

- (a) forming a composite sheet by
 - (i) depositing on a plastic film a layer of metal, such as herein described, having a thickness in the range of 20 millimicrons to 100 millimicrons;
 - (ii) applying to said layer of metal a heat softenable lacquer coating, such as herein described;
 - (iii) applying to said lacquer coating a heat activatable adhesive, such as herein described;
- (b) bringing a substrate into contact with said adhesive of the composite sheet,
- (c) applying heat and pressure to said plastic film to compress said composite sheet against said substrate so as to :
 - (i) cause said adhesive to adhere to said substrate and
 - (ii) cause said metal layer to delaminate from said film.
- (d) removing said film from said layer of metal thereby leaving said layer of metal with a first surface engaged to said lacquer coating and a second surface exposed; and
- (e) engaging said metal layer surface under heat and pressure with a die having a holographic image or diffraction grating image formed therein to form corresponding image in said layer of metal and said lacquer coating.

(Compl. Specn. : 20 pages;

Drgns. : 4 sheets)

Ind. Cl. : 90K

184886

Int. Cl. : C03 C--3/076, 3/083, 3/085, 3/093, C03C--4/12.

A SILICO-SODA-CALCIC GLASS COMPOSITION.

Applicant : SAINT-GOBAIN VITRAGE OF LES Miroirs 18 AVENUE D'ALSACE, 92400 COURBEVOIE, FRANCE.

Inventors :

1. STEPHANIE KOCH.
2. DIDIER JOUSSE.
3. RENE GY GILLES COURTEMANCHE.

Application No. : 1232/Cal/95 filed on 13-10-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3—277 GI/2000

10 Claims

A silico-soda-calcic glass composition intended for the production of substrates or thermally stable plate, characterized in that the composition comprises the following constituents in the following proportions by weight :

SiO_2	45 to 68%
Al_2O_3	0 to 20%
ZrO_2	0 to 20%
B_2O_3	0 to 10%
Na_2O	2 to 12%
K_2O	3.5 to 9%
CaO	1 to 13%
MgO	0 to 5%

the sum of the contents of the oxides SiO_2 , Al_2O_3 and ZrO_2 remaining between 45 % to 70 %, the sum of the contents of Al_2O_3 and ZrO_2 being between 2 and 25%, the sum of the content of Na_2O and K_2O being between 8 and 18%, said composition comprising, perhaps also, the oxides BaO and/or SrO in proportions such that :

$$11\% \leq \text{MgO} + \text{CaO} + \text{BaO} + \text{SrO} \leq 30\%$$

said composition having a strain point between 530°C and 640°C and a coefficient of thermal expansion (α 25-300°C) lying between 80 and $95 \times 10^{-7}\text{^{\circ}C}$

(Compl. Specn. : 18 pages;

Drgns. : 18 sheets)

Ind. Cl. : 40 B.

184887

Int. Cl. : C 08 F 4/50, C 08 F 4/64, C 08 F 4/68.

AN IMPROVED METHOD OF PRODUCING A CATALYST FOR POLYMERIZATION AND/OR COPOLYMERIZATION OF OLEFINS.

Applicant : SAMSUNG GENERAL CHEMICALS CO. LTD. OF SAN 222-2, DOKGOD RI, DAESAN UP, SEO-SAN GUN, CHUNGKAM 352-870, REPUBLIC OF KOREA.

Inventors :

1. ZAKHAROV.
2. VLADIMIR ALEXANDROVICH.
3. MAKHTARULIN SERGEI IVANOVICH.
4. SERGEEV.
5. SERGEI ANDRREEVICH.
6. MIKENAS,
7. TATYANA BORISOVNA.
8. NIKITIN VALENTINEVGENIEVICH.

Application No. 1518/Cal/95 filed on 27-11-95.
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

An improved method for producing a catalyst for polymerization and/or copolymerization of olefins, which comprises reacting an organomagnesium compound solution in a suitable solvent such as herein described and an organo

halide to produce a support containing magnesium, followed by treating the said support with titanium tetrachloride (TiCl_4), Vandium tetrachloride (VC_4) or Vanadyl chloride (VOCl_3) solution in a hydrocarbon solvent, characterized in that an organomagnesium compound having the composition $\text{MgPh}_2\text{nMgCl}_2\text{mR}_2\text{O}$ [where

$n=0.37-0.7$ $m \geq 0.5$, R_2O is ether and Ph is phenyl] is reacted with said organo halide in a molar ratio of organo halide/magnesium ≥ 0.5 at a temperature of -20°C to 80°C and the support containing magnesium is treated with said titanium or vanadium compound in a hydrocarbon solvent in a molar ratio of $\text{Ti}(\text{V})/\text{Mg}=0.2-1.0$ at a temperature of 20°C to 100°C to produce the desired catalyst.

(Compl. Specn. : 14 pages;

Drgns. : nil sheet)

Ind. Cl. : 32 F 2 c.

184888

Int. Cl. : C 12 N 9/24.

A PROCESS FOR PRODUCING AN IMPROVED XYLANASE.

Applicant : BIOTECH INTERNATIONAL LTD., OF 9/4 BRODIE HALL DRIVE, TECHNOLOGY PARK, BENTLEY, AUSTRALIA, 6102, AUSTRALIA.

Inventors :

1. BALL DIANE.
2. DUNLOP ROBERT.
3. FALK CEDRIC JOHN.
4. ROULLO ALEXANDER BUHISAN.

Application No. : 1289/Cal/95 filed on 24-10-95.

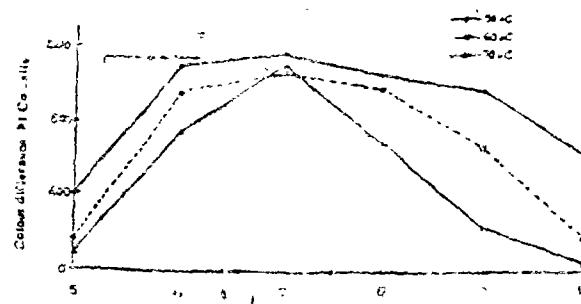
(Convention No. PM 9008 filed on 26-10-94 in Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta,

12 Claims

A process for producing an improved xylanase comprising :

isolating the said xylanase from a culture medium as herein described preferably in the presence of a predetermined amount of xylitol in the culture medium to increase the production of xylanase, said xylanase thus obtained has an associated cellulase activity of less than 0.1% and is catalytically active at a pH of between about 6.5 and 9.5 at a temperature between 55°C and 70°C.



(Compl. Specn. : 21 pages;

Drgns. : 4 sheets)

Ind. Cl. : 40 F.

184889

Int. Cl. : B 01 D 3/40.

Ind. Cl. : 50 B, 50 D

184890

AN APPARATUS FOR OBTAINING ACETIC ACID FROM A WATER SOLUTION OF ACETIC ACID.

Applicant : TRAY INC. OF 4900 SINGLETON BOULEVARD, DALLAS, TEXAS 75212, UNITED STATES OF AMERICA.

Inventors :

1. RONALD GERARDO GUALY.
2. JOSEPH CHARLES GENTRY.
3. WISTON LAMSHING.
4. FERNANDO VARELA.

Application No. : 510/Cal/98 filed on 25-3-98.

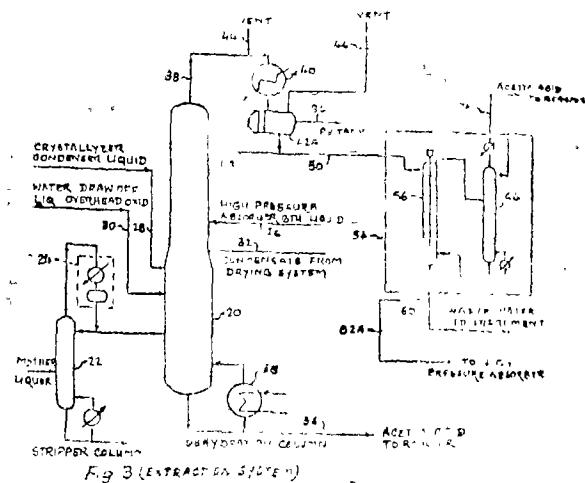
(Divided out of No. 405/Cal/94 ante dated to 30-5-94).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

19 Claims

An apparatus for separating acetic acid from a water solution of acetic acid comprising :

- (a) a dehydration device (20) equipped to receive at least one input acetic acid containing water stream (26, 28, 30, 32 or from 22) from said plant to apply heat to said input stream received by said device to separate water from acetic acid in said device to thereby produce an output bottom stream (36) of relatively concentrated acetic acid in water, and an output overhead stream (38) of relatively dilute acetic acid in water;
- (b) condensing means (40, 42) to liquefy acetic acid and water from said output overhead stream to form an output overhead condensate;
- (c) a liquid-liquid extraction means (54) comprising :
 - (i) a contactor (56) to receive said output overhead condensate and contact it with a liquid extractant to extract acetic acid from said condensate and thereby form a first contactor output stream (62) containing acetic acid and extractant, and a second contactor output stream (60) containing water; and
 - (ii) an extraction means separator device (64) equipped to receive said first contactor output stream and separate the acetic acid and the extractant therein to produce an extractant output stream (74) for recycle to said contactor and an acetic acid output stream (66) and optionally a pressure absorption unit (98, 120 or both) is adapted.



(Compl. Specn. : 31 pages;

Drgns. : 8 sheets)

Int. Cl. : F 25 D 1/00, 3/00, 29/00, 31/00.

METHOD FOR PROTECTING FROM DAMAGE THE MATERIAL OF A GAS-GAS HEATER, USED FOR TREATMENT OF FLUE GAS.

Applicant : THE BABCOCK & WILCOX COMPANY OF 1450 POLYDRAS STREET, P.O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventor : PAUL J WILLIAMS.

Application No. 948/Cal/98 filed on 27-2-98.

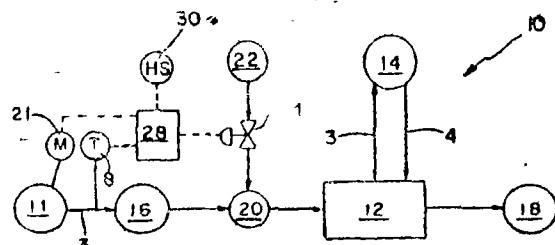
(Divided out of No. 759/Cal/94 ante dated to 19-9-94).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A method for protecting from damage the material, such as herein described, of a gas-gas heater, used for treatment of flue gas, in conjunction with flue gas desulfurization plant, wherein raw flue gas is caused to be fed into the gas-gas heater from an air heater, for cooling the raw flue gas by heat transfer from one gas stream to another gas stream, said another gas stream being introduced into the gas-gas heater from the desulfurization plant, upon cooling and cleaning of the flue gas fed to the desulfurization plant from the gas-gas heater, said method comprising the step of rapid cooling of the hot raw flue gas fed from the air heater to the gas-gas heater by a quench device, located downstream of the air heater and upstream of the gas-gas heater, said quench device being activated by a control device, communicating with the flow path of the hot raw flue gas and the quench device, and said control device having means to monitor variable, pre-set temperature value at which the said material of which the gas-gas heater is made, is caused to be damaged by the gas temperature of the hot raw flue gas, in the event of the gas temperature exceeding the said pre-set temperature value, so monitored, so that the temperature of the hot raw flue gas is maintained less than the pre-set temperature value, prior to its entry into the gas-gas heater, whereby the said material of the gas-gas heater is caused to be protected from damaged.

FIG. 1



(Compl. Specn. 9 pages

Drgns. 1 sheet)

Ind. Cl. : 83 B5

184891

Int. Cl. : A 23 N 1/00.

A PROCESS FOR THE PREPARATION OF VISCUM ALBUM.

Applicant : NATIONAL RESEARCH DEVELOPMENT CORPORATION, (A GOVT. OF INDIA ENTERPRISE), ANUSANDHAN VIKAS, 20-22 ZAMROODPUR COMMUNITY CENTRE, KAILASH COLONY EXTENSION, NEW DELHI-110048, INDIA.

Inventor : AVNISH KUMAR VERMA.

Application for Patent No. 2125/Del/95 filed on 20-11-95.

Complete left after Provisional Specn. on 28-10-96.

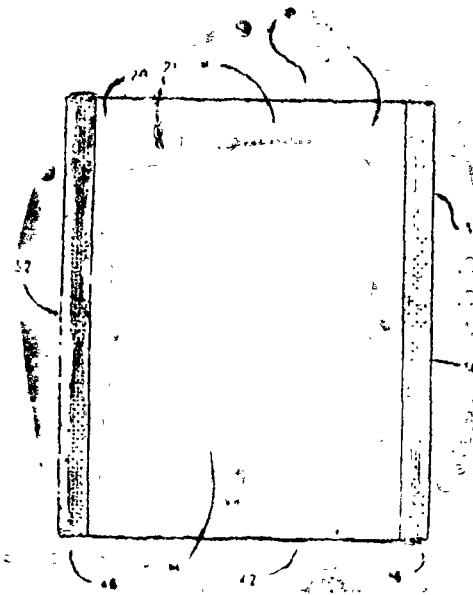
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

4 Claims

A process for the preparation of Viscum Album which comprises crushing the creeper of a host tree and adding water thereto under stirring for a period of preferably three hours to obtain the crude extract/juice from the creeper, subjecting the extract/juice so obtained to the steps of residual removal, and concentrating the same by heating slowly to obtain a concentrate, filtering the concentrate so obtained through a microporous filter and dialyzed, diluting the undialyzed residue and then concentrating the same by evaporation process at a temperature of 40° to 50°C.

(Provisional Specification 4 pages)

(Compl. Specn. 8 pages)



(Compl. Specn. 16 pages)

Drgns. 2 sheets)

Ind. Cl. : 60 X₂ (1, 2).

184892

Int. Cl. : A 61 K 31/00.

PROCESS FOR PRODUCING A MEDICATED TISSUE.

Applicant : THE PROCTER & GAMBLE CO, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, OHIO 45202, UNITED STATES OF AMERICA.

Inventor : WARD WILLIAM OSTENDORF (USA).

Application for Patent No. 2286/Del/95 filed on 12-12-95.

Convention date 19-12-94/08/358862/(USA).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

6 Claims

Process for producing a medicated tissue for applying medication as here in described to a user, said tissue comprising a substrate having two exposed surfaces; and a semi-solid therapeutic substance comprising a lotion component transferably carried on at least one exposed surface of said substrate, such that, in use, said therapeutic substance is transferable from the substance to said user, said therapeutic substance including solid components for preventing the therapeutic substance from fully impregnating the substrate, and thereby reducing the amount of therapeutic substance required for effective transfer to the use, said process comprising :

- providing a tissue paper substrate having two exposed surfaces
- dispersing from 0.25% to 50% of a medicinal component as here in described into 50% to 9.75% of a lotion to form said therapeutic substance
- distributing said therapeutic substance over a major portion of at least one surface of said substrate.

Ind. Cl. : 32F1.

184893

Int. Cl. : C07J 41/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF 21-CHLOROSTEROIDS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

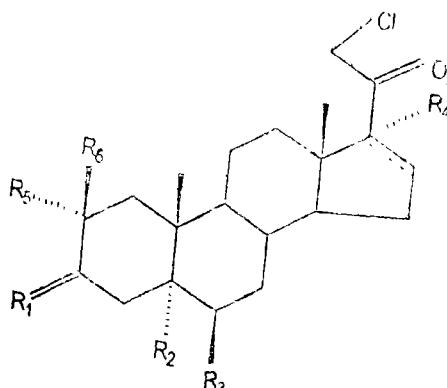
- PARINITA BORAH &
- PRITISH KUMAR CHOWDHURY (INDIAN).

Application for Patent No. 2467/Del/95 filed on 29-12-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

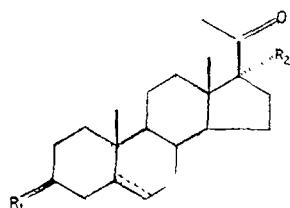
5 Claims

An improved process for the production of 21-chlorosteroids of the formula 3

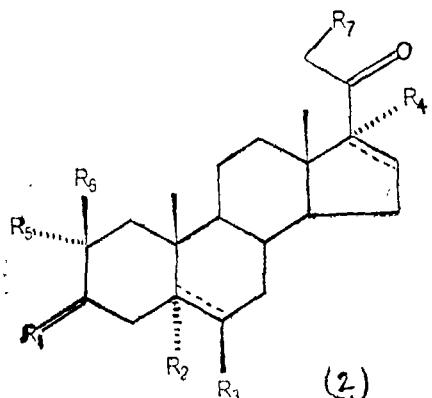


wherein Δ^{16} is a 2×2 matrix

1) Chlorinating 20-ketosteroids of the formulas 1



wherein $R_1 = \text{OAc, } \text{OH, } R_2 = \text{H or } \Delta^2, R_1 = \text{OAc, } \text{OH, } R_2 = \text{H or } R_1 = \text{O, } R_2 = \text{H}$ by manganese mediated chlorination using an oxide of manganese or its salt in presence of a lewis acid in an organic acid at a temperature in the range of $19-45^\circ\text{C}$ to obtain 17 α -chlorosteroids of the formula 3



Wherein $P_1 = -4$ OAC, WH,

$$\begin{aligned}
 R_2 &= R_3 = R_5 = R_6 = R_7 = H, \quad R_4 = Cl \quad \text{or} \quad R_1 = \text{OAc, mH, } R_2 = R_4 = Cl, \\
 R_3 &= Cl, \quad mH, \quad R_5 = R_6 = R_7 = H \quad \text{or} \quad R_1 = O, \quad R_2 = R_7 = R_3 = H, \\
 R_4 &= R_5 = R_6 = Cl
 \end{aligned}$$

b) Rearranging (dehydrohalogenation) 17 α -chlorosteroids of the formula 2 as obtained above by using an alkali metal salt in a mild organic acid at a temperature in the range of 80° to 140°C to produce corresponding 21-chlorosteroids of the formula 3 wherein Δ^{16} , $R_1 = \text{OAc, mH, } R_2 = R_3, R_5 = R_6 = \text{H, } R_7 = \text{Cl or } \Delta^{16} R_1 = \text{OAc, mH, } R_2 = R_3, \text{Cl, } R_5 = \text{OCl, mH, } R_6 = R_7 = \text{H or } \Delta^{16} R_1 = \text{O, } R_2 = R_3 = \text{H, } R_5 = \text{H, } R_6 = R_7 = \text{Cl and } R_4 \text{ is either H or zero.}$

Ind. Cl. : 55D₁.

184834

Int. Cl.⁴ : C 07H - 15/00, 17/00.

A PROCESS FOR THE EXTRACTION OF A GLYCOSIDE FRACTION FROM THE PLANT STREBLUS AS PER MAINLY CONTAINING CIRDANOLIDE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT

Inventors :

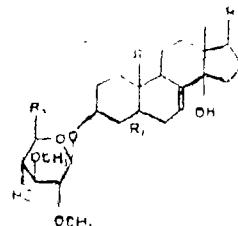
1. RANJIT KUMAR CHATTERJEE
2. BHOLA NATH DHAWAN
3. ANIL KUMAR DWIVEDI
4. NIGAR FATMA
5. DINESH KUMAR KULSHRESHTHA
6. BISHAN NARAIN MEHROTRA
7. PUvvADA KALPNA MURTHY
8. RAGHWENDRA PAL
9. GYANENDRA KUMAR PATNAIK
10. SUBHA RASTOGI
11. NARENDRA KUMAR SHARMA
12. ARUN KUMAR SHAW AND
13. SATYAWAN SINGH--INDIANS.

Application for Patent No. 2471/Del/95 filed on 29-12-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

A process for the extraction of a glycoside fraction from the plant *Streblus asper* mainly containing cardanolide of the general formula 2



wherein R = saturated lactone ring, $R_1 = CH_2$ or CHO , $R_2 = OH$ or H and $R_3 = CH_3$ or CH_2OH which comprises:

- (i) Extracting the powdered stem bark of the plant *Strobilanthus asper* with a polar solvent or mixture of polar solvents and evaporating the extract to dryness to give a gummy residue;
- (ii) Macerating the said residue with a conventional nonpolar defatting solvent of polarity index ranging from 0.1 to 0.2;
- (iii) Suspending the defatted insoluble portion obtained from step (ii) in water and extracting with a water immiscible solvent of medium polarity and separating the organic layer.
- (iv) Evaporating the organic layer obtained from the step (iii) to dryness to give a residue;
- (v) Dissolving the residue obtained in step (iv) in boiling polar solvent, cooling and keeping it at a temperature in the range of 0° — 5° for a period ranging from 10—15 hours;
- (vi) Filtering off the precipitate formed and evaporating the filtrate to furnish another residue.

- (vii) Extracting residue obtained in step (vi) with a non-polar solvent of polarity index (p) ranging from 0.1 to 0.2 leaving behind an insoluble residue,
- (viii) Extracting the said residue obtained in step (vii) with solvent (s) of polarity index in the range of 1.3 to 1.5,
- (ix) Evaporating the extract obtained from the step (viii) to dryness leaving a residue,
- (x) Extracting the residue obtained in step (ix) with a solvent of still higher polarity index ranging from 2 to 0.7,
- (xi) Evaporating the extract to dryness to give a residue,
- (xii) Dissolving the said residue obtained in step (xi) in a polar solvent followed by hydrogenating by conventional method,
- (xiii) Filtering off the catalyst and evaporating the filtrate to dryness to obtain the fraction mainly containing cardanolide.

(Compl. Specn. 20 Pages:

Drgn. 1 Sheet)

Ind. Cl. : 60 X 2a.

184895

Int. Cl. : C 07 D 311/04.

A PROCESS FOR THE PREPARATION OF 2-OXO(2H)-1-BENZOPYRANS (COUMARINS).

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, (ACT XXI OF 1860).

Inventors :

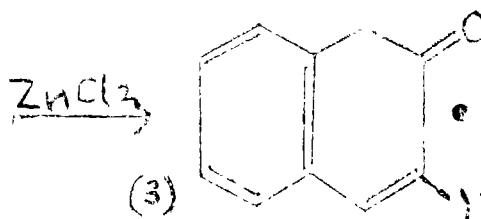
1. PAMULAPARTY SHANIHAN RAO-INDIA
2. KOOSAMPALLY SRINIVAS-INDIA
3. KONDAVETI LEELA KRISHNA-INDIA AND
4. ATTALURI SIVAPRASAD-INDIA.

Application for Patent No. 663/Del/96 filed on 27th Mar 1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

A new process for the preparation of 3 substituted 2-oxo(2H)-1-benzopyrans (coumarins) having the formula 3



wherein Y represents cyano, ethoxycarbonyl, carboxamide, carboxylic, benzolamine, benzimidazolyl and benzoyl benzimidazolyl group which comprises reacting a compound containing active methylene group with salicylaldehyde in the presence of a catalyst such as zinc chloride at a temperature in the range of 40°C to 180°C and recovering the 3 substituted-oxo(2H)-1-benzopyrans by conventional methods such as herein described.

(Compl. Specn. 7 pages;

Drgn. 1 sheet)

Ind. Cl. : 55 E2.

184896

Int. Cl. : A 61 K - 9/00, 9/08.

A PROCESS FOR THE PREPARATION OF WATER SOLUBLE NOVEL PHARMACEUTICAL COMPOSITION.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG NEW DELHI-110001 (INDIA).

Inventors :

1. ANIL KUMAR DWIVEDI-INDIA
2. RAGHWENDRA PAL-INDIA
3. SATYAWAN SINGH-INDIA
4. BACHU SREENIVASULU SETTY-INDIA
5. VED PRAKASH KAMBOJ-INDIA
6. NANDOO MAL KHANNA-INDIA.

Application for Patent No. 1027/Del/96 filed on 16-05-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A process for the preparation of water soluble novel pharmaceutical composition useful as vaginal contraceptive having pH independent activity which comprises of mixing thoroughly 5 to 15% by weight of a new spermicidal agent selected from substituted quinotoxin derivative like 1-(6-methoxy-4'-quinolyl)-3-(3"-vinyl-1"-d.alkyl or heterocyclic amino alkyl) or alkyl 4"-piperidyl-2-methylene propane-1-one or from appropriately substituted styryl amine methyl ketones like 1-aryl or alkyl-4-substituted amino methyl penta-1, 4-dione-3-one; or its water soluble salt with 85 to 95% by wt. of a mixture of polyethylene glycols; the mixture is having a melting point above 40C.

(Compl. Specn. 8 Pages;

Drgn. Sheet Nil.)

Ind. Cl. : 32 F.6.

184897

Int. Cl. : A 61 K.

AN IMPROVED PROCESS FOR THE PREPARATION OF EXOCYCLIC AMINO PROTECTED CYTIDINE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

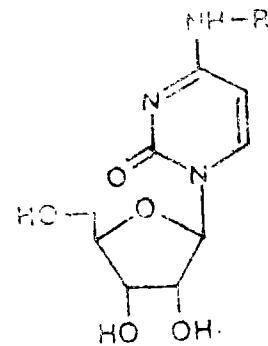
Inventor(s) : PRADIP NAHAR—INDIAN.

Application for Patent No. 1798/Del/96 filed on 14-8-1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

7 Claims

An improved process for the preparation of exocyclic amino protected cytidine of formula I



where R represents COCH_3 and COCH_2H_5 , which comprises subjecting cytidine of formula I where R—H and acid anhydride in presence of a polar solvent to microwave irradiation at 480 to 650 watts for 30 to 100 seconds followed by removing the solvent under reduced pressure and washing by method as herein described to get said amino protected cytidine.

(Compl. Specn. 11 pages;

Drgn. 1 Sheet)

Ind. Cl. : 55D2 & 32F2(b).

184898

Int. Cl. : A01N 43/653.

PROCESS FOR THE PREPARATION OF THE HERBICIDE ETHYL ALPHA-2 DICHLOORO-5 [4- (DIFLUOROMETHYL) 4, 5-DIHYDRO-3-METHYL-5-O(OXO-1, 2, 4-TRIAZOL-1-YL) 4-FLUOROBENZENEPROPANOATE.

Applicant : FMC CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1735 MARKET STREET, PHILADELPHIA, PENNSYLVANIA 19103, UNITED STATES OF AMERICA.

Inventors :

1. JOHN WINFRID AGER
2. CRAIG ALAN POLSZ

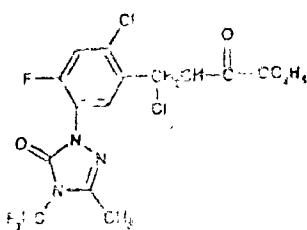
Application for Patent No. 1825/Del/96 filed on 16-8-96.

Convention date 21-8-95/60/002586/U.S.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch, New Delhi-110005.

5 Claims

A process for the preparation of herbicide ethyl α -2-dichloro-5- [4- (difluoro-methyl)-4, 5-dihydro-3-methyl-5-oxo-1, 2, 4-triazol-1-yl]-4-fluorobenzenepropionate of formula (I) :



comprising : (i) forming a diazotized salt of 4-difluoro-methyl-4, 5-dihydro-3-methyl-5-oxo-1- (5-amino-2-fluoro-4-chlorophenyl)-1, 2, 4-triazole by reacting a salt of 4-difluoro-methyl-4, 5-dihydro-3-methyl-5-oxo-1- (5-amino-2-fluoro-4-chlorophenyl)-1, 2, 4-triazole with sodium nitrite; and (ii) simultaneously reacting said diazotized salt of 4-difluoro-methyl-4, 5-dihydro-3-methyl-5-oxo-1- (5-amino-2-fluoro-4-chlorophenyl)-1, 2, 4-triazole, as it is produced in step (i), with ethyl acrylate in the presence of a Meerwein arylation catalyst to obtain said herbicide ethyl α -2-dichloro-5- [4- (difluoro-methyl)-4, 5-dihydro-3-methyl-5-oxo-1, 2, 4-triazol-1-yl]-4-fluorobenzenepropionate of formula (I).

(Compl. Specn. : 15 Pages;

Drgn. : Nil Sheet)

Ind. Cl. : 32B.

184899

Int. Cl. : C 07 C 11/173.

AN IMPROVED PROCESS FOR THE PREPARATION OF ALKYL-2 (ALKOXYCARBONYLAMINO)-4-PENTENOATE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFT MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT,

Inventors :

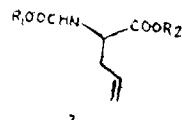
1. SUBHASH PRATAPRAO CHAVAN-INDIA.
2. MEENAKSHISUNDARAM VENKATRAMAN-INDIA.

Application for Patent No. 2984/Del/96 filed on 30-12-1996.

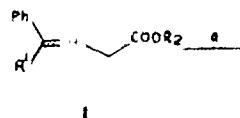
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch, New Delhi-110 005.

6 Claims

Improved process for the preparation of alkyl-2-(alkoxycarbonylamino)-4-pentenoate of general formula 3

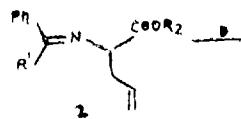


3

wherein $R_1=R_2$ alkyl, benzyl group, which comprises reacting glycine chiffs base of formula 1

1

with an alkyl halide in a solvent in the presence of a conventional base and a catalyst such as tetrabutyl ammonium hydrogen sulfate for 1 to 8 hrs at ambient temperature, concentrating to obtain compound of formula 2



2

which on reacting with acid for 30 minutes to 90 minutes, neutralizing with a base, extracting with solvent, concentrating and treating with corresponding alkyl/benzyl haloformate in a solvent in the presence of a base, quenching and concentrating the reaction mixture purifying by conventional column chromatography gives compound of general formula 3.

(Compl. Specn. 8 Pages;

Drgn. 1 Sheet)

Ind. Cl. : 83 A (1).

184900

Int. Cl. : A 01 G. 1/04

A COMPOSITION ACTING AS A SUPPORT FOR PROMOTING MYCELIAL GROWTH AND THE DEVELOPMENT OF CARPOPHORES AND PROCESS FOR PRODUCING THE SAME.

Applicant : S. A. ROYAL CHAMPIGNON, A FRENCH BODY CORPORATE OF "CHANTEMERLE" BAGNEUX 49400 SAUMUR/FRANCE.

Inventor : BERNARD BAUCOUGNET-FRANCE.

Application for Patent No. 1659/Del/95 filed on 8th Sep., 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

19 Claims

A composition acting as a support for promoting mycelial growth and the development of the carpophores, said composition containing

I. an inert and porous substrate of expanded perlite provided in the form of granules, wherein said porous substrate has :

- (i) and is provided in a practically anhydrous state;
- (ii) a density of less than 0.2, preferably of close to 0.1;
- (iii) a particle size of between 2 and 5 mm, preferably of between 3 and 4 mm;
and
- (iv) a relative proportion of empty spaces of between 60 and 90% by volume;

II. a nutrient phase comprising :

- (i) water, in a relative proportion by weight of between 70 and 90%;
- (ii) a carbon source, in a relative proportion by weight of between 5 and 20%;
- (iii) a nitrogen source, in relative proportion by weight of between 1 and 10%;
- (iv) fat, in a relative proportion by weight of between 1 and 5%;
- (v) calcium oxide up to about 1%; and
- (vi) optionally vitamin E or its derivatives, phosphoamino lipids, calcium carbonate, calcium sulphate, activated charcoal and meal, finely ground straw and one or more alcohols.

said chemical elements being essential for the mycelial growth and for the development of the carpophores and

wherein the said nutrient solution fills at most 70% of the volume of the substrate.

(Compl. Specn. 34 Pages;

Drgs. Sheet Nil)

Ind. Cl. : 153

184901

Int. Cl. : B 24 B 3/00. A 45D 27/46.

METHOD AND APPARATUS FOR MANUFACTURING RAZOR BLADES.

Applicant : THE GILLETTE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF PEUDENTIAL TOWER BUILDING, BOSTON, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventors :

1. THEODORE JOHN CAMPO-USA
2. DONALD ROBERT CHAULK USA
3. WILLIAM JOSEPH NEUTON—USA
4. MANOHAR SINGH GFWAI-USA
5. JOHN ALDEN HINDLEY—USA
6. JOHN FRANCIS KRANTZ—USA
7. MARK DEANE LINCOLN-USA
8. KEVIN PATRICK McDONOUGH USA
9. JAMES WILLIAM WALSH-USA.

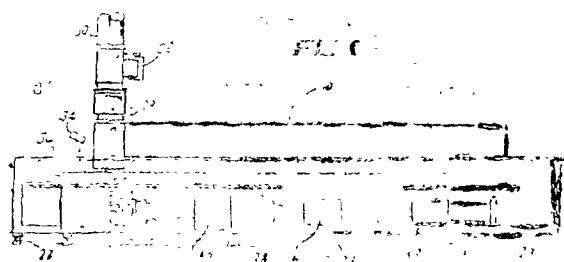
Application for Patent No. 1226/Del/91 filed on 12-12-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

16 Claims

A method of manufacturing razor blades characterized by the steps of :—

- (a) loosely stacking a plurality of blades with edges of said blades substantially at right angles to a selected path of travel of said blades;
- (b) demagnetizing said blades in the stack so that said blades in the stack are not magnetically attracted to one another and are capable of separating when the stack is substantially subjected to liquid or drying in respective liquid and drying treatment stations;
- (c) applying an aqueous liquid as herein defined to said stack of blades as said stack is moved along said path through said liquid stations, said application of liquid comprising a pre-wash step, a wash step, a rinsing step and a final rinse step, and
- (d) drying said blades by applying air under pressure to the stack of blades moving through said drying station.



(Compl. Specn. 24 Pages;

Drgs. 2 Sheets)

Ind. Cl. : 70 B

184902

Int. Cl. : H 01 M. 4/44.

AN IMPROVED PROCESS FOR MAKING CdSe PHOTOLECTROCHEMICAL CELL EMPLOYING GEL CONFINED ELECTROLYTES.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

1. KOLLEGAL RAMAKRISHNA MURALI INDIA
2. VENKATASUBRAMANIA SUBRAMANIAN-INDIA
3. NARSIMHAN RANGARAJAN-INDIA
4. ALUR SUNDARAM LAKSHMANAN-INDIA
5. SARUKKAI KRISHNAMACHARI RANGARAJAN-INDIA.

Application for Patent No. 1276/Del/92 filed on 31-12-92.

Complete left after Provisional filed on 28-12-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

3 Claims

An improved process for making CdSe photoelectrochemical cell employing gel confined electrolytes which comprises preparing a photoanode by depositing by known methods a

CdSe film of thickness in the range of 10—20 μ m on a Ti, Stainless steel or conducting glass substrates, annealing the film in an inert or air atmosphere, at a temperature in the range of 475—600°C, for a period of 5—60 minutes, applying polystyrene lacquer on the exposed metallic portions, immersing the photoanode and a counter electrode of thickness in the range 0.5mm to 2mm made from brass, platinum, glassy carbon or graphite in a gel electrolyte consisting of polysulphide in a gel matrix such as agar agar, mixture of polycarbonate or carboxy methyl cellulose, formed in the temperature range 35 to 65°C for 10—15 min, sealing the top of the said container using known reagents in such a manner so as to allow each electrode to have electrical contact.

(Prov. Specn. 6 Pages;

Drng. Sheet Nil)

(Compl. Specn. 8 Pages;

Drng. Sheet Nil).

Ind. Cl. : 120 B. 184903

Int. Cl. : A 43 B. 21/37.

A HOOKED SHOE FOR CARRYING OUT SIRISH ASAN.

Applicant : RAMESH CHANDER VARMA, 852, SEC-
TOR-8, PANCHKULA-134 109, HARYANA.

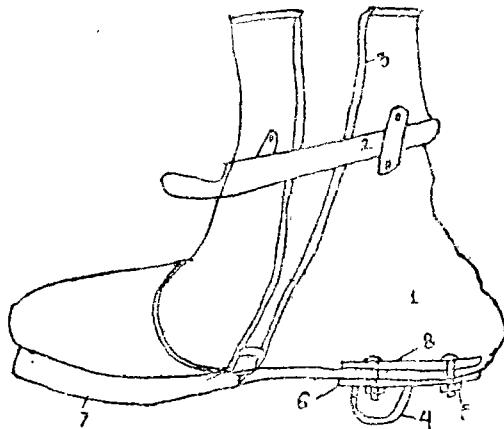
Inventor : RAMESH CHANDER VARMA—INDIA.

Application for Patent No. 1252/Del/92 filed on 24-12-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

A Hooked shoe for carrying out Sirish-Asan comprising a shoe having high strength sole (7), the said sole formally sewed or moulded to the upper part of the said shoe (1), belt & zips means to tighten the shoe characterised in that the said sole (7) is provided with steel plate (6) with hook and in turn firmly bolted to steel plates (8), with nut & bolt (5) fixed, at the heel portion of the said shoe.



(Compl. Specn. 5 Pages;

Drng. 1 Sheet)

Ind. Cl. : 87 E. 184904

Int. Cl. : A 61 H. 5/00.

A DEVICE FOR EYE EXERCISE.

Applicant : RAMESH CHANDER VARMA, (PROP.),
M/S. NEWTON AGSYM INTERNATIONAL 852, SEC-
TOR-8, PANCHKULA-134109, HARYANA, INDIA.

Inventor : RAMESH CHANDER VARMA—INDIA.

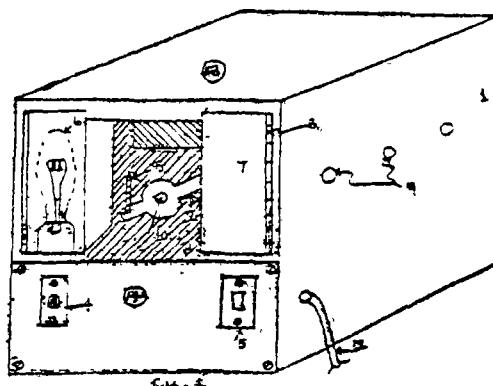
4—277 GI/2000

Application for Patent No. 1251/Del/92 filed on 24-12-92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

A device for eye exercise comprising a box (1) having a lower chamber (13) and an upper chamber (14), the said upper chamber (14) provided with lightening means (6), a needle (3) rotably mounted on a arm (2), which in turn is connected to a motor spindle, said lower chamber (13) comprises motor.



(Compl. Specn. 5 Pages;

Drng 1 Sheet)

Ind. Cl. : 154 A. XXXVII (1) 184905

Int. Cl. : B 41 F. 1/00

INTAGLIO PRINTING MACHINE.

Applicant : DE LA RUE GIORI S.A. 4. RUE DE LA PAIX 1003 LAUSANNE/SWITZERLAND.

Inventors :

BLASS ERNST ANTON—GERMANY AND
KUHN HERMANN JOSEF—GERMANY.

Application for Patent No. 585/Del/1992 filed on 06th July, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, New Delhi-110 005.

9 Claims

An intaglio printing machine comprising :

- a plate cylinder (3), an impression cylinder (2) mounted in the machine frame (1),
- an actuator (7) for engagement and disengagement and for adjustment between an operating position resting on the plate cylinder (3) and a position of rest removed from the latter,
- a wiping device (9) having a wiping cylinder (10) which interacts with the plate cylinder (3) and is adjustable by means of an actuator (15) between an operating position, in which it rests on the plate cylinder (3) with predetermined pressure, and a position of rest removed from said plate cylinder,
- the angle between the connecting line of the axles of the impression cylinder and plate cylinder and the connecting line of the axles of the plate cylinder and wiping cylinder being greater than 90 degree,

wherein

4—277 GI/2000

interior for restricting said channel means (32), (34), (36) when the pressure of said fluid in said pipe (52) exceeds a first predetermined pressure and for opening said channel means (32), (34), (36) when such pressure does not exceed said first predetermined pressure to thereby allow said fluid to bypass said portion of said flow-limiting fluid passageway (22) downstream of said channel means (32), (34), (36).

(Compl. Specn. 17 Pages;

Drngs. 10 Sheets)

Ind. Cl. : A61 F, 13/16

184909

Int. Cl. : A41 B, 13/02

A METHOD FOR PRODUCING A LAMINATE WEB.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Inventors :

KENNETH BARCLAY BUELL—U.S.A.

JAMES ROBERT MICK—U.S.A.

GERALD MARTIN WEBER—U.S.A.

JAMES WILLIAM RICHARDSON—U.S.A.

Application for Patent No. 0144/Del/92 filed on 20-2-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, New Delhi-110 005.

12 Claims

A method for producing a laminate web having a varying degree of elasticity in a direction of stretching, at least up to the point of initial stretching, said method comprising the steps of : (a) feeding a zero strain stretch laminate web comprising a substantially untensioned first elastomeric ply (4a) intermittently or continuously secured to a substantially untensioned second ply comprising a continuous web which is elongatable, but which exhibits less elastic recovery than said first ply, between a pair of opposed pressure applicators (14) having three-dimensional surfaces which are partially complementary with one another; and (b) subjecting the portions of said zero strain stretch laminate web located between said opposed three-dimensional surfaces of said pressure applicators to non-uniform incremental stretching by causing said surfaces to mesh with one another to a varying degree along their points of contact with said laminate web, whereby said second elongatable ply is permanently elongated to a varying degree by said non-uniform incremental stretching (20) so that said laminate web is non-uniformly elastically extensible in the direction of initial stretching, at least up to the point of initial stretching, once the initial incremental stretching forces are removed from said zero strain stretch laminate web (210), (220).

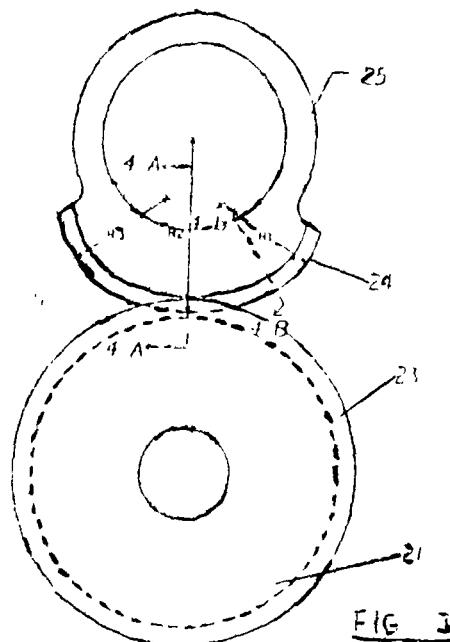


FIG. 3
(Compl. Specn. 36 Pages; Drngs. 7 Sheets)

Ind. Cl. : 32 E

184910

Int. Cl. : C 08 F, 116/02.

A PROCESS FOR THE PREPARATION OF A LONG CHAIN POLYOL POLYMER HAVING ALDEHYDIC END GROUPS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARC, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

1. KALATHUR SABDHAM VANGEPURAM SRINI-VASAN-INDIA.

2. SOUNDAPPAN NAGARAJAN-INDIA.

Application for Patent No. 190/Del/92 filed on 05-03-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

6 Claims

A process for the preparation of a long chain polyol polymer having aldehydic end groups which comprises reacting polyglycols having molecular weight in the range of 200 to 9000 with ceric (IV) salt as oxidising agent in a ratio of 1:4 in presence of sulfuric acid having normality > 0.5M at a temperature in the range of 30—65°C and for a period of 30—120 min. and extracting the polymer formed using organic solvent.

(Compl. Specn. 6 Pages;

Drngs. 2 Sheets)

Ind. Cl. : 205 K.

184911

Int. Cl. : B 60 C 7/10.

A GROUND ENGAGING MEANS FOR USE WITH A WHEEL OR ENDLESS TRACK.

Applicant : ALTRACK LIMITED, AN AUSTRALIAN COMPANY, OF 97 OUTRAM STREET, WEST PERTH, IN THE STATE OF WESTERN AUSTRALIA, COMMONWEALTH OF AUSTRALIA.

Inventor : 1. GRAEME ALFRED CHANDLER.

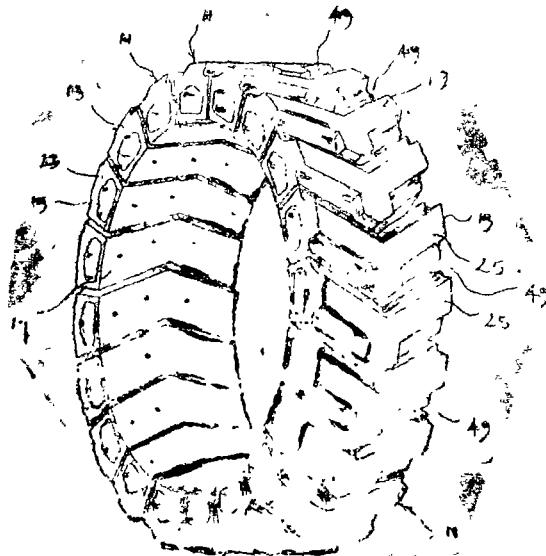
Application No. 376/Mas/91 filed on 13th May 1991.

Convention No. PK0107 on 14th May 1990 in Australia.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

17 Claims

A ground engaging means for use with a wheel or endless track comprising a non-pneumatic body constructed to deform resiliently under load and a tread provided on the body, the tread comprising a plurality of raised portions disposed in circumferential relationship and defining grooves therebetween, each raised portion comprising a first central section and a pair of lateral sections defining a V formation, the lateral sections each extending outwardly from the first central section towards one side of the body, and the first central section extending centrally of the tread in a direction away from the ends of the V formation and towards the V formation of the next adjacent raised portion.



(Compl. Specn. 15 Pages;

Drgs. 6 Sheets)

Ind. Cl. : 40 B.

184912

Int. Cl. : B 01 J 21/00.

A PROCESS FOR PREPARING AN ALUMINOSILICATE ZEOLITE CATALYST FOR HYDROCARBON CONVERSION.

Applicant : MOBIL OIL CORPORATION OF 3225 GALLONS ROAD FAIRFAX, VIRGINIA 22037 USA, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, USA.

Inventors :

1. JEFFREY SCOTT BECK
2. SHARON BRAWNER MCCULLEN
3. DAVID HAROLD OLSON
4. CHAYA RAO VENKAT.

Application No. : 420/Mas/94 filed on 20th May 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

A process for preparing an aluminosilicate zeolite catalyst with modified shape selectively for hydrocarbon conversion having a silica to alumina molar ratio less than 500 comprising exposing a known zeolite catalyst to at least two *ex situ* selectivation sequences, each *ex situ* selectivation sequence

comprises impregnation of said catalyst with an organosilicon compound selected from silicones, silicone polymers, silanes, alkoxy silanes and aminosilanes in a known carrier as selectivating agent and subsequent calcination thereof to produce said zeolite catalyst at a temperature of atleast 250°C having a constraint index of 1—12 with modified shape selectivity.

(Compl. Specn. 50 Pages;

Drgs. Nil Sheet)

Ind. Cl. : 23H.

184913

Int. Cl. : G 06 C 5/00.

A COMPUTER HOUSING.

Applicant : PACKARD BELL ELECTRONICS INC., OF 31717 LA TIENDA DRIVE, WESTLAKE VILLAGE, CALIFORNIA 91362, U.S.A., A U.S. CORPORATION.

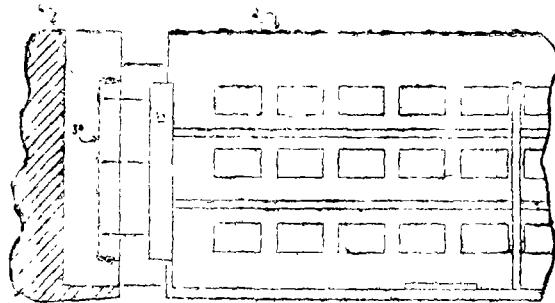
Inventor : HARTMUT H. ESSLINGER, (GERMAN).

Application No. 493/Mas/94 dated June 10, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

14 Claims

A computer housing containing internal components, such as a CPU, power supply, storage device, and cooling system, said computer housing is characterised by at least a first wall (10, 12) protecting said internal components from a surrounding environment; at least a first skirt (2, 4, 6) having an appearance distinct from said first wall; said first skirt (2, 4, 6) being detachably coupled to said first wall (10, 12) and said first skirt extending across said first wall (10, 12) in at least one direction.



(Compl. Specn. 21 Pages;

Drgs. 6 Sheets)

Ind. Cl. : 107-G.

184914

Int. Cl. : F 02 M 59/00.

A LOW COST IMPROVED INTERNAL COMBUSTION ENGINE WITH INCREASED MECHANICAL EFFICIENCY, FUEL SAVER AND POLLUTION CONTROLLED.

Applicant & Inventor : MARIMUTHU RAMU THIYAGARAJAN, AN INDIAN NATIONAL OF NO. 76, MAIN ROAD, THIRUMAL NAGAR, PONDICHERRY-605 013, INDIA.

Application and Provisional Specification No. 497/Mas/94 dated June 13, 1994.

Complete Specification left September 4, 1995.

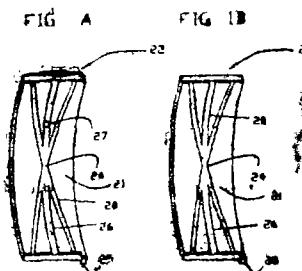
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A low cost improved internal combustion engine with increased mechanical efficiency, fuel saver and pollution controlled, comprising main inset bearing which support a crankshaft having rotary motion for converting sliding motion of piston(s) due to pressure of combustion system; the said crankshaft being connected to the said piston through a connecting rod without or with cross head and piston pin; the said connecting rod whose big end attached to the said crankshaft by connecting rod big end insert bearings for rotary motion and connecting rod small end attached to said piston pin through connecting rod small end bush or directly for transmitting oscillating motion and the said piston pin connected directly to the piston pin bosses of the said piston having piston skirt for guiding inside the cylinder bore for reciprocating motion; camshaft driven by the said crankshaft for actuating inlet and exhaust valve/injectors controlling the said combustion system; the said camshaft supported by cam bush or cam journal housing in cylinder head for transmitting rotary motion of said cam shaft to sliding motion of tappet inside tappet bore or cam follower inside cam follower bore, fuel injection pump roller tappet; inside fuel injection roller tappet bore; rocker arm mounted on rocker shaft through rocker arm bush or directly for transmitting intermittent reciprocating motion and engaged on one side with push rod pushed up by said tappet and other end engaged with valve stem for actuating said valves or injectors; lubricant oil used to lubricate the interfaces of contacting parts for lubrication; the said combustion system draws homogenous mixture of fuel and air have spark ignition device for ignition or with metered out charges of fuel injected by an injection device controlled by spring governed centrifugal advance mechanism for the self regulation of ignition or injection with respect to crank angle for effective utilisation of combustion pressure acting on the crown of the said piston without knock or combustion noise and combustion end products leave the said combustion system as exhaust emission, characterised in that the lubricating system consists of :

- (a) atleast one first cross cut oil groove formed at the interface cylindrical bearing surface of the contacting parts on the inner surface of main insert bearing, connecting rod big end insert bearing, cross head bearing, connecting rod small end bush, connecting rod small end, piston-pin bosses, cam bush, cam follower bore, fuel injection pump roller tappet bore, rocker arm bush, rocker arm and on the outer surface of piston skirt cam shaft main journal, rocker arm shaft, tappet, cam follower, fuel injection pump roller tappet adopted as reservoir for receiving and distributing oil from the supply source, the crosscut points being positioned at the maximum stress zones for maintaining adequate oil supply for cooling and reducing contact in interface;
- (b) atleast one second circular oil groove formed at the interface cylindrical bearing surface of the contacting parts on the outer surface of piston skirt, tappet, cam follower, fuel injection pump roller tappet, cam shaft main journal, rocker arm shaft and on the inner surface of main insert bearing, connecting rod big end; insert bearing, cross head bearing, connecting rod small end bush, connecting rod small end, piston-pin bosses, piston skirt, cam bush, cam follower bore, fuel injection pump roller tappet bore, rocker arm bush and rocker arm for receiving and distributing oil to the said first cross cut oil groove for maintaining adequate oil supply;
- (c) atleast one third axial oil groove intersecting with first or second oil grooves and/or in communication with oil escape groove or hole formed on the piston skirt outer surface for maintaining adequate lubricating oil supply for proper sliding motion, cooling and avoid contact due to thrust force with said cylinder bore;
- (d) atleast one deep "v" furrow formed on the upper surface of rocker arm lengthwise for onward transmission of escape oil to both ends; and

(e) atleast one slot formed on the slide or upper surface of rocker arm for onward transmission of escape oil to both ends.



(Prov. 5 pages; Compl. Specn. 25 pages; Drwgs. 4 sheets)

Ind. Cl. : 187—C

18915

Int. Cl. 4 : H 04 M 1/00

"TELEPHONE RING BACK AND MESSAGE ANNUNCIATOR".

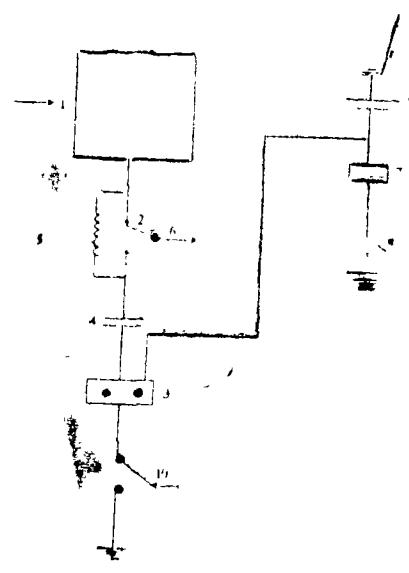
Applicant & Inventor : S. GOPALAKRISHNAN, 15,
SATHYA NAGAR WEST, PONDICHERRY-605 013,
INDIAN NATIONAL.

Application No. 523/Mas/94 dated June 20, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

1 Claim

Telephone Ring Back and message annunciator for precise identification of intended exchange and saving of needless occupancy of exchange equipment comprising Ondulator (1) connected to a tape player, (3) the said Ondulator being connected through relay contact (2) and a capacitor (4) to said tape player, the said tape player being energised and initialised by the exchange power supply the said circuit creating a facility of carrying rider messages into conventional ring back tone.



112, 1

Ind. Cl. : 168 C, 206 E

184916

Int. Cl. : G 06 F 15/00

"A PROCESS CONTROL SYSTEM HAVING CONTROL TEMPLATES".

Applicant : FISHER-ROSEMOUNT SYSTEMS, INC., DELAWARE CORPORATION, OF 8301 CAMERON ROAD, AUSTIN, TEXAS 78754, USA.

Inventor : TERRENCE LYNN BLEVINS.

Application No. 531/Mas/94 filed on 22nd June 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Chennai Branch.

11 Claims

A process control system having control templates, each template representing a selected function of a control process for a control environment and in which different control template views of a selected control process function may be displayed, the system comprising :

A. a central processing unit (116);

B. a plurality of control templates (23, 25, 26 and 27) that can be accessed by the central processing unit wherein each control template includes :

- (1) process control function information (132);
- (2) attribute information (10, 602) for the process environment;
- (3) at least one conversation set (42, 608) associated with the process control function information for relating specific control parameters of the control process in terms of a selected control template view; and
- (4) control method instructions (700) for using the attribute information and at least one conversation set to form a process control solution; and

C. a user-interface device (118) coupled to the central processing unit for enabling a user to select a desired view of a control template for display and to access the attribute information and the associated conversation set to enable the user to create and/or edit the selected control template as desired.

Compl. Specn. 40 pages;

Drgs. 13 sheets).

Ind. Cl. : 172 D7

184917

Int. Cl. : B 65 H 51/22, D 03 D 47/36, D 04 B 15/48

"A THREAD STORAGE AND FEED DEVICE FOR THREAD PROCESSING MACHINES".

Applicant : IRO AB, PO BOX 54, VISTAHOLM, 52301 ULRICEHAMN, SWEDEN; A SWEDISH COMPANY; AND MEMMINGER-IRO GMBH, JAKOB-MUTZSTRASSE 7, 72280 DORNSTIETTEN, GERMANY; A GERMANY COMPANY.

Inventors :

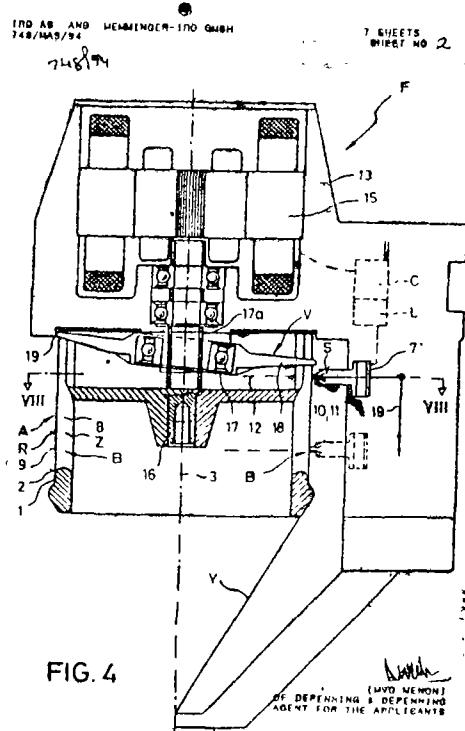
1. KURT ARNE GUNNAR JACOBSSON
2. ROLF HUSS
3. LARS HELGE GOTTFRID THOLANDER
4. FRIEDRICH WEBER

Application No. 748/Mas/94 filed on 8th August 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Chennai Branch.

17 Claims

A thread storage and feed device for thread-processing machines such as knitting machines or weaving machines, comprising a drumshaped storage body (1) defining a storage surface for a thread supply which consists of thread windings and having at least first and second storage surface circumferential sections (8, 9), and further comprising at least one signal-generating sensor (S, SA, SB), which is directed at a predetermined scanning zone (12) of the storage surface and which is used for determining a movement of the boundary of the thread supply, characterized in that the first and second circumferential sections (8, 9) of the storage surface are constructed such that they differ from one another with respect to their scanning properties and that at least two sensors (SA, SB, S) are provided, which are located essentially in the circumferential direction of the storage body (1) and which are spaced in such a way that the scanning property of a first storage surface circumferential section (8) or of the thread supply can be scanned by one sensor (SA, SB, S) and that, simultaneously, the scanning property of a second storage surface circumferential section (9) or of the thread supply (5) can be scanned by another sensor (SB, S).



(Comp. Specn. : 30 pages;

Drgs. : 7 sheets)

Ind. Cl. : 81

184918

Int. Cl. : G 08 B—17/00

"AN APPARATUS FOR THE EARLY DETECTION OF FIRES".

Applicant : SIEMENS BUILDING TECHNOLOGIES AG, A SWISS COMPANY, OF BELLERIVESTRASSE 36, 8008 ZURICH, SWITZERLAND.

Inventors :

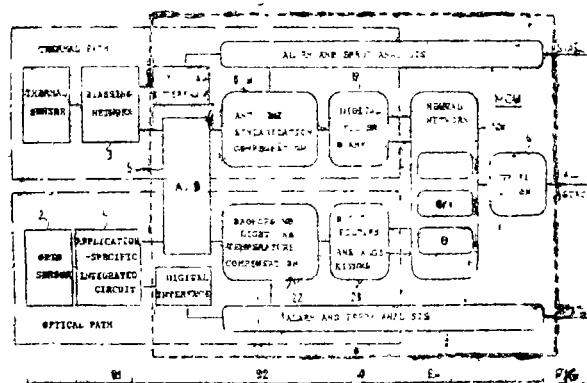
- (1) JURG WERNER
- (2) MAX SCHLEGER

Application No. : 784/Mas/94 filed on 17th August 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Chennai Branch.

14 Claims

An apparatus for the early detection of fires, with a number of detectors connected to a control centre, some of which are fitted with at least two sensors (1, 2) for monitoring different fire parameters, and with means for processing the sensor signals, characterised in that the said means for processing the sensor signals, are provided in the detectors and have a microcontroller unit (MCU) for conditioning and processing the sensor signals and obtain alarm signals in a neutral network (NN).



(Com. Specn. : 15 pages;

Drwgs. : 04 sheets)

Ind. Cl. : 172 E, F

184919

Int. Cl. : D 01 H—9/00

"APPARATUS FOR CHECKING THE WINDING QUALITY OF YARN BOBBINS".

Applicant : ZELLWEGER LUWA AG, A SWISS COMPANY, OF WILSTRASSE 11, CH 8610 USTER, SWITZERLAND.

Inventors :

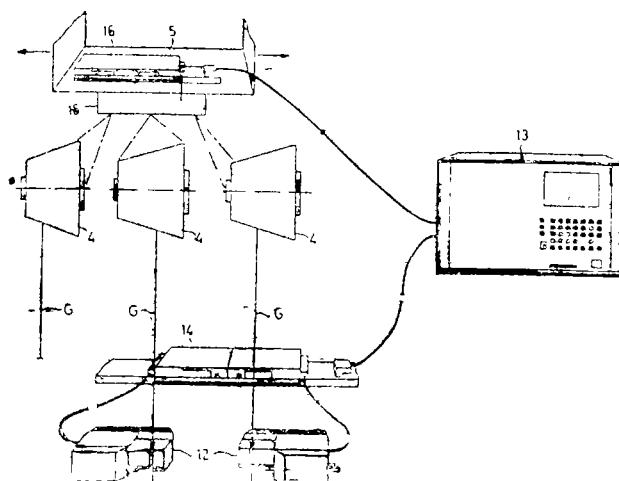
- (1) ALFRED ASCHMANN
- (2) ROLF HENSEL
- (3) HANS WAMPFLER

Application No. : 787/Mas/94 filed on 18th August 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

An apparatus for checking the winding quality of yarn bobbins (4), comprising at least a sensor (15) with a light source (18) for illuminating part of the surface of a yarn bobbin, located decentrally on a spinning or winding machine, imaging means for imaging the illuminated part on a detector (19) and an evaluation unit (14) for evaluating the signals generated by the detector and monitoring the winding quality during the production of the bobbin (4).



(Com. Specn. : 21 pages;

Drwgs. : 03 sheets)

Ind. Cl. : 32-B

184920

Int. Cl. : C 07 C 15/02

A PROCESS FOR THE SELECTIVE PRODUCTION OF A PARA DIALKYL-SUBSTITUTED BENZENE.

Applicant : MOBIL OIL CORPORATION A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK, USA OF 3225, GALLONS ROAD, FAIRFAX, VIRGINIA 22037, U.S.A.

Inventors :

- (1) ROBERT POETER LEONARD ABSIL, (U.S.A.)
- (2) SCOTT HAN, (U.S.A.)
- (3) DONNA MITKO, (U.S.A.)
- (4) CLARENCE DAYTON CHANG, (U.S.A.)
- (5) DAVID OWEN MARLER, (U.S.A.)
- (6) DAVID SAID SHIHABI, (U.S.A.)

Application No. 1147/Mas/94 dated November 22, 1994.

Divisional to Patent Application No. 178/Mas/91 (179156); Ante-dated to March 1, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A process for the selective production of a para dialkyl-substituted benzene having 1 to 4 carbon atoms in the alkyl substituents comprising contacting benzene and/or a monoalkyl-substituted benzene having 1 to 4 carbon atoms in the alkyl substituent with a known alkylating agent having an alkylating group of 1 to 4 carbon atoms in the presence of a catalyst comprising a zeolite of a constraint index of 1—12 said, catalyst being produced from a forming mixture free of organic directing agent such as herein described; treating the zeolite with a organosilicon compound selected from silicone, a siloxane, alkylsilane an alkoxy silane and a polysilane; and heating the organosilicone-treated zeolite in an oxidising environment, to convert the organosilicon compound to silica under known alkylating conditions to produce para dialkyl substituted benzene and recovering said substituted benzene from the reaction stream by known methods.

(Com. : 20 pages)

Ind. Cl. : 40F

184921

Int. Cl. : C 01 B 17/027

"A PROCESS AND AN APPARATUS FOR THE RECOVERY OF SULPHUR".

Applicant : AMBRISH AGARWAL, MANDI KOTLA CHANDPUR, DIST. BIJNOR, INDIA.

Inventor : AMBRISH AGARWAL—INDIA.

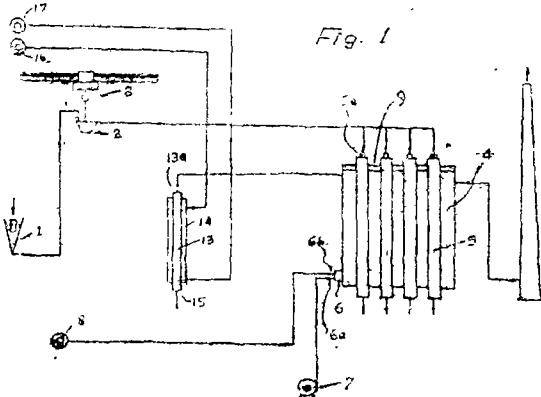
Application for Patent No. 1245/Del/91 filed on 18-12-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch New Delhi-110 005.

9 Claims

A process for recovery of sulphur from sulphur waste and/or sludge comprising heating said waste in a closed vessel's characterized in that said waste being heated to a temperature of 500 to 1000°C so as to form sulphur vapors,

allowing said vapors to flow upwardly so as to allow a cooling thereof to a temperature of 250 to 750°C and then condensing said vapors at a temperature of 10 to 200°C to get sulphur in the molten form.



(Comp. Specn. : 9 pages;

Drawg. : 1 sheet)

Ind. Cl. : 70B, C-5

184922

Int. Cl. : G 01 N 27/00

"A NOVEL POTENTIOMETRIC SENSOR ELECTRODE FOR THE ESTIMATION OF IONS IN SOLUTION".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, KAFI MARG, NEW DELHI-110 001, INDIA.

Inventors :

GOLAKGEEA PRABHAKARA RAO—INDIA,
VENKATARAMAN VENKARAMAN—INDIA,
GOMATHI MARIHARASUBRAMANIAM—INDIA,
GANESA GANAPADIGAL SUBRAMANIAN—
INDIA.
JAMES JOSEPH—INDIA,
SUBRAMANIAN BHARATHI—INDIA,
RAMU SASTRIGAL BHUVANESWARI—INDIA,
NAVIN CHANDRA—INDIA.

Application for Patent No. : 1250/Del/91 filed on 19-12-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, New Delhi-110 005.

2 Claims

A novel potentiometric sensor electrode for the estimation of ions in solution, which comprises a glass capillary (1) of diameter in the range of 2.7 mm to 1.8 mm, the top end of the capillary being fitted to a flexible sleeve having a concentric screw-thread mechanism through it, the sleeve (2) having a threaded rod of length greater than that of the capillary & of diameter in the range of 2.5 mm to 1.6 mm passing through it and the concentrically fitted capillary, the open end of the capillary being filled with a desired ion-exchanger composition such as herein described, the top of the threaded rod being fixed to a screw head (3) for turning the rod for vertical movement to establish contact with the ion-exchanger composition.

(Comp. Specn. 11 Pages;

Drawg. Sheet 1)

Ind. Cl. : 145B

184923

Int. Cl. : B65H 54/02

A CORE FOR CORE WOUND PAPER.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO-45202, UNITED STATES OF AMERICA.

Inventors :

DONALD DAVID DEARYESTER, U.S.A.
STEPHEN KREG NEWBY, U.S.A.
JAMES LEE SWANSON, U.S.A.

Application for Patent No. 1266/Del/91 filed on 23-12-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

6 Claims

A core for a core wound paper made of material as herein described having distorted circular cross-section; comprising an inner surface; an outer surface; two oppositely disposed ends defining a longitudinal axis, said core being capable of approximating a tubular cross-section, wherein an axially oriented equally circumferentially spaced means are provided for weakening the resistance of said core to applied radially compressive forces disposed on at least one of the said inner surface and said outer surface of said core having local reduction of thickness or a plurality of axially oriented perforations on one of the said surfaces of the said core.

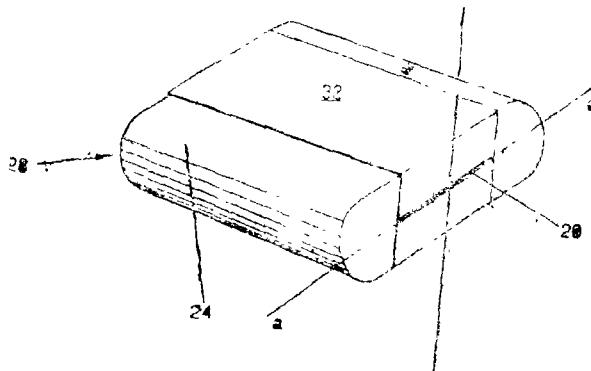


Fig. 1

(Comp. Specn. 18 Pages;

Drawg. Sheets 4)

Ind. Cl. : 76E

184924

Int. Cl. : A61F 13/16

A METHOD FOR MANUFACTURING A FASTENING DEVICE HAVING PRONGS.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO-45202, UNITED STATES OF AMERICA.

Inventors :

DINNIS ALBERT THOMAS, U.S.A.
DAVID JOSEPH KENNETH, U.S.A.
ROBERT GEORGE COX, U.S.A.

Application for Patent No. 1267/Del/91 filed on 23-12-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

A method for manufacturing a fastening device having prongs made of thermoplastic materials, comprising : heating the said material to its melting point; depositing discrete amounts of said material on a substrate as herein described; stretching said discrete amounts of said material in a direction having a vector component parallel to the plane of said substrate : serving said stretched material to form prongs having shanks, each of said shanks having a distal end and engaging means thereon;

Wherein azimuthal angle is imparted to the said shanks comprising biasing said prongs, while they are newly formed and not yet soldified, the azimuthal angle being between 20 degrees to 160 degrees preferably 45 degrees to 135 degrees, more preferably 60 degrees to 120 degrees, to said shanks of said prongs.

(Compl. Specn. 52 Pages;

Dign. 5 Sheets)

Ind. Cl. : 98 I

184925

Int. Cl. : F 24 J 2/00, 3/06

A SOLAR APPARATUS,

Applicant : MYRIAM DJELOUAH-AN ALGERIAN CITIZEN OF ROUTE D'ORLEANS, 45500 SAINT DENIS DE L'HOTEL, FRANCE AND NADJA DJELOUAH-A FRENCH CITIZEN OF ROUTE D'ORLEANS, 45500 SAINT DENIS DE L'HOTEL, FRANCE.

Inventors :

MYRIAM DJELOUAH, FRANCE.
NADJA DJELOUAH, FRANCE.

Application for Patent No. 1272/Del/91 filed on 23rd Dec. 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

A solar apparatus characterized in that comprises a cell which is partially transparent to the sun's rays and comprises on its interior;

- an outer casing made from a material, in particular a plastic material, which is transparent to the sun's rays and an inner casing made from a material which absorbs these rays and defining on its interior at least one temperature control chamber, said outer casing surrounding said inner casing to create therebetween a greenhouse effect;
- Water supply means for supplying the temperature control chamber with water;
- means enabling the capacity of said at least one temperature control chamber to be varied;
- a water reservoir covered on its periphery with an insulating material and connected to at least one temperature control chamber by means of a duct provided with a valve which is controllable from the exterior;
- a tap for drawing off water mounted on the outer part of the water reservoir; and
- a duct for discharging the air produced in said at least one temperature control chamber, preferably provided with a stop valve.



(Compl. Specn. 31 Pages;
5—277 GI/2000

Drgn. 4 Sheets)

Ind. Cl. : 4 A 4 LIII(2)

184926

Int. Cl. : F 42 B, 31/00.

PROJECTILE FOR A RIFLED WEAPON.

Applicant :

JEAN -PIERRE DENIS,
A FRENCH CITIZEN OF,
5, RUE CLEMENT ADER VELIZY,
LES YVELINES, FRANCE.

Inventor(s) :

JEAN - PIERRE DENIS (FRANCE).

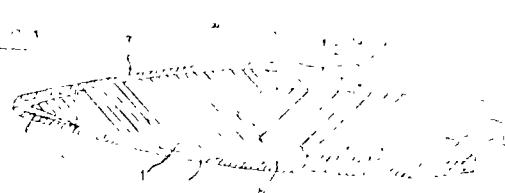
Application for Patent No. 1274/DEL/91 filed on 24th Dec. 1991.

Divisional Out of Patent Application No. 855/DEL/88 filed on 6-10-88.

Appropriate office for opposition proceedings Rule 4, (Patents Rules 1972) Patent office Branch, New Delhi-110005.

21 Claims

A projectile for a rifled weapon comprising a core (1) having a head (2) in the form of a cone and a tail (3) the said core (1) being inserted into a jacket (7) of ductile material, characterised in that the head (2) of the core (1) is connected to the tail (3) by a shoulder, (6) while the jacket (7) having a rear part (12) opposite the tail, (3) said rear part (12) having a thickness which is greater than that of the rest of the jacket, (7) said rear part (12) having undulations (13) adapted to form circular grooves substantially at right at right-angles to the longitudinal axis of the projectile, anchoring means (9, 10) being provided between the outer surface of the tail (3) and the inner surface of the rear part (12) of the jacket (7) a free space (14) being disposed between the shoulder (6) and the corresponding part of the jacket (7).



(Compl. Specn. 14 Pages

Drs. 3 sheets)

Ind. Cl. : 39 "O"

184927

Int. Cl. : C 01 B, 33/20.

A PROCESS FOR THE PREPARATION OF NOVEL CRYSTALLINE GALLOSILICATES.

Applicant :

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG,
NEW DELHI-110001, INDIA.

AN INDIAN REGISTERED BODY
INCORPORATED UNDER THE REGISTRATION
OF SOCIETIES ACT.

Inventor(s) :

PAUL RATNASAMY—INDIA,
VASUDEO PANDURANG SHIRALKAR—INDIA,
SUBHASH PANDURANG MIRAJKAR—INDIA,
BOLLIPRAGADA SESHAGIRI RAO—INDIA,
MALAYIL JOSEPH EAPEN—INDIA.

Application for Patent No. 24/Del/92 filed on 10-01-92.

Appropriate office for opposition proceedings Rule 4, (Patents Rules 1972) Patent office Branch, New Delhi-110005.

10 Claims

A process for the preparation of novel crystalline gallosilicates having in the anhydrous form in terms of mole ratio of oxides of formula :



where M represents a mixture of monovalent cations consisting of alkali metal, ammonium and hydrogen, the said crystalline gallosilicates having characterized in that its X-ray diffraction included inter alia the reflections as herein described and its infrared absorption spectra includes inter alia the absorption frequencies as herein described which comprises reacting sources of alkali metal cation, gallium oxide, silicon oxide and tetra methyl ammonium compound and water (in the presence or absence of ammonium hydroxide) heating resulting gel at a temperature in the range of 100-110°C to obtain a crystalline material where M represents predominantly an alkali metal treating with an aqueous solution of ammonium salt to obtain a crystalline material where M represents predominantly ammonium cation, treating with an acid at room temperature to produce a crystalline material where M represents predominantly hydrogen ion and finally calcining the resultant crystalline material at a temperature in the range of 400-500°C to get said gallosilicates.

(Compl. Specn. 17 Pages)

Drg. Sheet Nil

Ind. Cl. : 108 B 184928.

Int. Cl. : C 22 C - 19/03 + 19/07.

AN IMPROVED PROCESS FOR THE EXTRACTION OF NICKEL AND COBALT FROM CHROMITE OVERRBURDEN/BENEFICIATED CHROMITE OVERRBURDEN.

Applicant :

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor(s) :

SRIDHARA ACHARYA—INDIA,
SHASHI ANAND—INDIA,
RADHANATH PRASAD DAS—INDIA.

Application for Patent No. 22/Del/92 filed on 10-01-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

An improved process for the extraction of nickel and cobalt from chromite overburden/beneficiated chromite overburden which comprises leaching the said overburden with sulphuric acid using additives selected from sodium sulphate, ammonium sulphate, carbon and jarosite seeds at a temperature in the range of 210-250°C and at a pressure of 20 to 40 kg/cm² and separating nickel and cobalt from the leach liquor by conventional precipitation, extractive & electrowinning methods.

(Compl. Specn. 11 Pages)

Drg. Sheet Nil.

Ind. Cl. : 32 E 184929

Int. Cl. : C 08 F, 220/12.

AN IMPROVED PROCESS FOR THE PREPARATION OF AROMATIC POLYESTERS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor(s) :

1. BHASKAR BHAIKAVNATH IDAGE—INDIA.
2. NAYAKU NIVRATI MAHAJAN—INDIA.
3. SUDHAKAR SADASHIV MAHAJAN—INDIA.
4. SWAMINATHAN SIVARAM—INDIA.

Application for Patent No. 25/Del/92 filed on 10-01-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

An improved process for the preparation of aromatic polyester(s) having an intrinsic viscosity greater than 0.4 dL/g in chloroform at 30°C which comprises (a) reacting dialkyl esters of terephthalic and isophthalic acid(s) in the ratio of 95 : 5 to 5 : 95 and dihydric phenol(s) in equimolar ratio, in the melt phase in an inert atmosphere in the presence of a catalyst selected from alkoxides of Group IVB metals and derivatives of Group IVA metals and in the presence of organic solvent at a temperature in the range of 100—300°C to form a prepolymer having intrinsic viscosity in the range of 0.1 to 0.3 dL/g in chloroform at 30°C (b) purifying the prepolymer using conventional solvent extraction methods and (c) polycondensing the purified prepolymer at a temperature in the range of 300—350°C in presence of a catalyst selected from alkoxide of Group IVB metals and derivatives of Group IVA metals under reduced pressure.

(Compl. Specn. : 18 pages ;

Drgn. : nil sheet)

Ind. Cl. : 14A 2. 184930

Int. Cl. : C25D—1/00 + 7/00.

AN IMPROVED ELECTROPLATING PROCESS FOR THE PREPARATION OF SOFT NICKEL PLATED SEALING DISC.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001 INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor(s) :

1. INDIRA RAJGOPAL—INDIA.
2. KARAIKUDI SANKARANARAYANA RAJAM—INDIA.
3. KUPPAM JAYARAM SANTOSH KUMAR—INDIA.
4. ANNAMALAI POURASSAMY—INDIA.
5. SUNDARAPANDIUM RAMA RAJAGOPALAN—INDIA.

Application for Patent No. 107/Del/92 filed on 10-2-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

An improved electroplating process for the preparation of soft nickel plated-sealing disc which comprises electroplating the sealing disc in a known manner, in an electroplating cell, comprising of a nickel anode, the sealing disc being the cathode mounted a jig placed in such a way that it can be reciprocated-parallel to the anode, having

perforated mesh interposed between the anode and the cathode, characterised in that the novel electrolyte consisting of :

Nickel sulphamate concentrate, 800—900 ml/l.

(containing 600g/l)

Boric acid, 20—30 g/l.

Nickel chloride, 5—10 g/l.

Sodium lauryl sulphate, 0.5—2 g/l.

pH, 2.5—3.0

being pumped through a filter to the bottom of the cathode so that vertical jets of the electrolyte pass through the jig, thereby making the flow of the electrolyte uniform to get soft nickel plated sealing disc.

(Compl. Specn. : 12 pages;

Drgn. : nil sheet)

said central axis, said eye portion comprising a pair of spaced legs defining a thread eye there between, said legs lying in respective planes parallel to and spaced from opposed sides of said common flat plane.

(Compl. Specn. : 15 pages;

Drgns. : 3 sheets)

Ind. Cl. : 32 E & 104 F.

184933

Int. Cl. : C 08 F 236/10 & C 08 L 51/04.

A METHOD FOR THE PREPARATION OF A RUBBER MODIFIED MONOVINYLDENE AROMATIC POLYMER COMPOSITION.

Applicant : THE DOW CHEMICAL COMPANY, OF 2030 DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, USA, A DELAWARE CORPORATION, U.S.A.

Inventor(s) :

1. DAVID SCHRADER
2. MARK E. SODERQUIST
3. MARK D. HEIRES.

Application No. 851/Mas/94 filed on 1st September 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A method for the preparation of a rubber-modified monovinyldene aromatic polymer composition said composition comprising, on a total composition weight basis, from 90 to 55 weight percent of a rigid monovinyldene aromatic polymer matrix and from 10 to 45 weight percent of grafted and occluded 1, 3-alkadiene-based rubber particles dispersed within said matrix and wherein from 25 to 80 weight percent of said rubber particles have a capsule particle morphology and a volume average particle size from 0.1 to 0.4 micron and from 75 to 20 weight percent of said particles have an entanglement particle morphology and a volume average particle size of from 0.25 to 1 micron; said method comprising :

(a) dissolving from 5 to 30 parts by weight of a 1, 3-alkadiene/monovinyldene aromatic block copolymer rubber in 95 to 70 parts by weight of a monovinyldene aromatic monomer, said block copolymer rubber having 15 to 40 weight percent of monovinyldene aromatic monomer copolymerized therein;

(b) polymerizing the resulting rubber/monomer solution at a temperature of 50 to 210°C, in the presence of from 0 to 1000 parts per million by weight of a polymerization initiator and from 0 to 2000 parts per million by weight of a chain transfer agent and under known agitation conditions sufficient to provide capsule morphology and entanglement morphology rubber particles in the above specified size ranges; and

(c) thereafter recovering the resulting rubber-modified monovinyldene aromatic polymer composition in a known manner.

(Compl. Specn. : 12 pages;

Drgn. : 1 sheet)

Ind. Cl. : 119—C.

184932

Int. Cl. : D 03 C 9/00.

A HEDDLE FOR WEAVING MACHINE.

Applicant : GROB & CO. AKTIENGESELLSCHAFT, A SWISS COMPANY, OF STOCKERSTRASSE 27, CH-8810 HORGEN 1, SWITZERLAND.

Inventor : FRANZ METTLER—SWITZERLAND.

Application No. 825/Mas/94 dated August 29, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A heddle for mounting on a heddle frame of a weaving machine, comprising an elongated strip of a predetermined thickness having opposed end portions lying in a common flat plane and having a central axis, said strip having a thread eye portion intermediate said end portions, said thread eye portion lying in a plane rotated 10° to 20° about

(Compl. Specn. : 23 pages;

Drgn. : nil sheet)

Ind. Cl. : 64-B 1, 2, 3.

184934

Int. Cl. : h 02 G 15/10.

OPTICAL FIBRE ORGANIZER.

Applicant : N. V. RAYCHEM S. A., A BELGIUM COMPANY, OF DIESTSESTEENWFG 692, B-3010 KESSEL-LO, BELGIUM.

Inventors :

1. LUK JOZEF MACKEN—BELGIUM.
2. LODEWIJK CORDULA MICHAEL VAN NOTEN —BELGIUM.
3. PIETER DE COSTER—BELGIUM.

Application No. 871/Mas/94 dated September 7, 1994.

(Convention date : September 8, 1993; No. 9318653.4; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

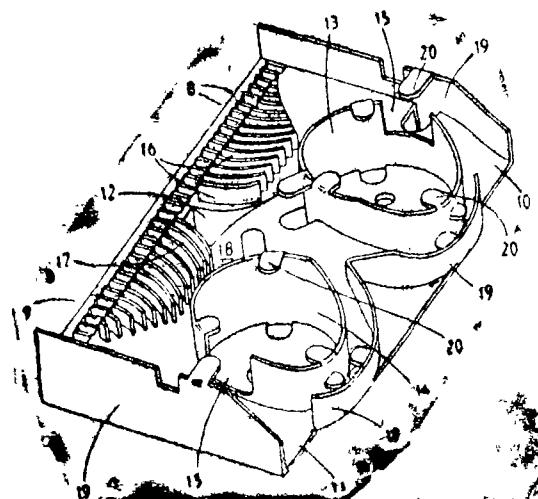
14 Claims

An optical fibre organiser which comprises :

- (i) an outlet port;
- (ii) a plurality of inlet-ports; and
- (iii) a fibre guide that constrains optical fibre passing between each inlet port and the outlet port to a minimum bend radius at least equal to the critical bend radius of the fibre;

wherein each inlet port, comprises an optical fibre breakout device which comprises :

- (a) means for removably securing the device to the optical fibre organiser;
- (b) a first passage for retaining a large fibre tube; and
- (c) one or more second passages for retaining a plurality of smaller fibre tubes such that fibres can pass between the large tube and each smaller, tube without significant light loss.



(Compl. Specn. : 15 pages;

Drgns. : 9 sheets)

Ind. Cl. : 64-B 1, 2.

184935

Int. Cl. : H 02 G 15/10.

OPTICAL FIBRE ORGANIZER.

Applicant : N. V. RAYCHEM S. A., DIESTSES-TEENWEG 692, B-3010 KESSEL-LO, BELGIUM, A BELGIAN COMPANY.

Inventors :

1. LUK JOZEF MACKEN—BELGIUM.
2. LODEWIJK CORDULA MICHAEL VAN NOTEN —BELGIUM.

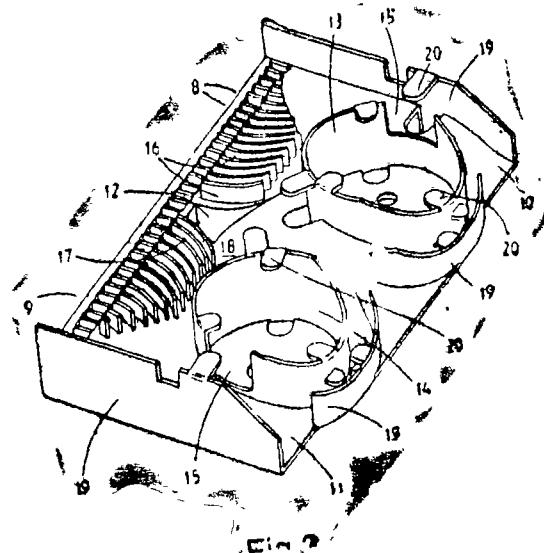
Application No. 872/Mas/94 dated September 7, 1994.

(Convention date : September 8, 1993; No. 9318602.1; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

An optical fibre organizer, which comprises a plurality of inlet ports through which optical fibres can pass; at least one outlet port through which optical fibre can pass; at least one organizer drum positioned with respect to the ports such that fibres passing from the inlet ports to the outlet port are constrained by an outer surface of the drum to a minimum bend radius at least equal to the critical bend radius of the fibres; and a base plate which carries a series of optical fibre splice trays for accommodating optical fibre splices between optical fibres exiting an outlet port and optical fibres contained on the splice trays, in which each inlet port has bend control means adjacent thereto to direct a fibre passing through that port towards the surface of the drum at a minimum bend radius at least equal to the critical bend radius of that fibre.



(Compl. Specn. : 14 pages;

Drgns. : 9 sheets)

Ind. Cl. : 64 B 1, 2.

184936

Int. Cl. : H 02 G 15/10.

OPTICAL FIBRE ORGANIZER.

Applicant : N. V. RAYCHEM S. A., OF DIESTSES-TEENWEG 692, B-3010 KESSEL-LO, BELGIUM, A BELGIAN COMPANY.

Inventor : LUK JOSEF MACKEN.

Application No. 873/Mas/94 filed on 7th September, 1994.

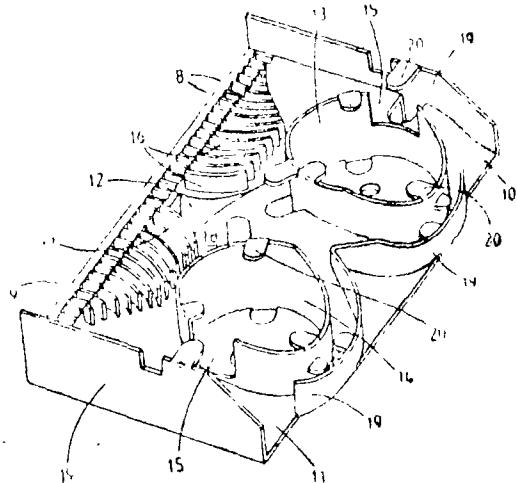
(Convention No. 9318632.8 on 8-9-93 in Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

15 Claims

An optical fibre organizer which comprises on a first face a plurality of first ports and at least one second port for the passage of optical fibres there through and at least one fibre storage means which is positioned with respect to the first and second ports such that an optical fibre passing between them is constrained to a minimum bend radius at least equal to the critical bend radius of that fibre,

wherein for storing dark fibre the fibre storage means is in the form of an organiser drum which is hollow and has a hole or slot in a wall thereof so that a free end of an optical fibre can pass into the interior of the drum and be constrained therein by the inner surface of the drum at a minimum bend radius greater than that at which it suffers permanent damage and which drum is provided with retaining means extending radially inwardly for retaining dark fibre in the interior of the drum.



(Compl. Specn. : 16 pages;

Drgns. : 9 sheets)

Ind. Cl. : 64 B 1, 2.

184937

Int. Cl. : H 02 G 15/10.

AN OPTICAL FIBRE ORGANIZER SYSTEM.

Applicant : N. V. RAYCHEM S.A., DIESTSESTEENWEG 692, B-3010 KESSEL-LO, BELGIUM, A BELGIAN COMPANY.

Inventors :

1. LUK JOZEF MACKEN
2. LODEWIJK CORDULA MICHAEL VAN NOTEN

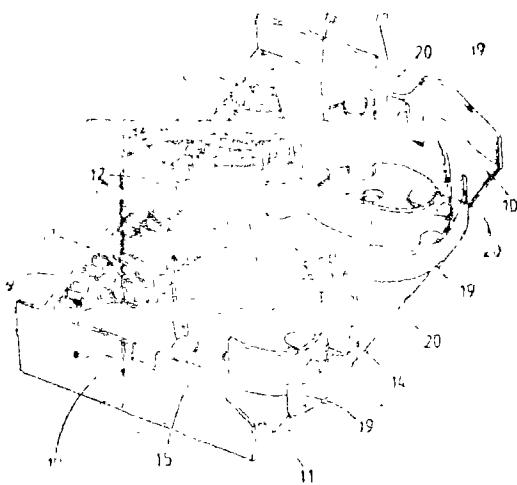
Application No. 874/Mas/94 filed on 7th September 1994.

Convention No. 9318654.2 on 8th September 1993 in GBSN.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

An optical fibre organizer system comprising two optical fibre organizers which are placed back-to-back with adjacent opposite faces and with their through ports (12) in communication with one another, wherein each said optical fibre organizer comprises a first face and an opposite face, having at the first face thereof : (a) an optical fibre inlet port (8, 9) and an optical fibre outlet port (10, 11) through which fibres can pass substantially in the plane of the first face; (b) fibre storage means (13, 14) positioned between the inlet port and the outlet port such that an optical fibre passing between the inlet port and the outlet port is constrained to a minimum bend radius at least equal to the critical bend radius of the optical fibre, and (c) a through port (12) that extends from the first face to the opposite face of the organizer.



(Compl. Specn. : 15 pages;

Drgns. : 9 sheets)

Ind. Cl. : 64 B 1.

184938

Int. Cl. : H 01 R 9/00.

A BASE FOR AN OPTIC FIBRE ORGANIZER.

Applicant : N. V. RAYCHEM S.A., DIESTSESTEENWEG 692, B-3010 KESSEL-LO, BELGIUM, A BELGIAN COMPANY.

Inventors :

1. LUK JOZEF MACKEN
2. DANIEL DAEMS
3. PIETER DE COSTER
4. LODEWIJK CORDULA MICHAEL VAN NOTEN

Application No. 876/Mas/94 filed on 7th September 1994.

Convention No. 9318633.6 on 8-9-93 in United Kingdom.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

19 Claims

A base for an optical fibre organizer, which comprises : a first passage along one longitudinal edge portion for incoming fibres;

a second passage along an opposite longitudinal edge portion for outgoing fibres;

a plurality of first fibre guides separated from one another along the length of the base and extending from the first passage across the base towards the second passage where fibres in said guides are directed away from the plane of the base;

a plurality of second fibre guides separated from one another along the length of the base and extending from the

second passage across the base towards the first passage where fibres in said guides are directed away from the plane of the base.

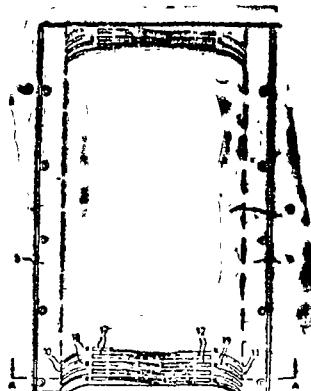
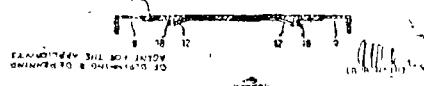
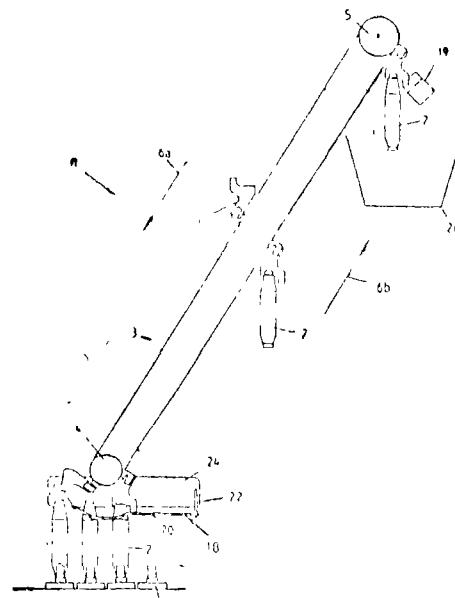


Fig 3B.



(Compl. Specn. : 16 pages;

Drgns. : 10 sheets)



(Compl. Specn. : 15 pages;

Drgns. : 5 sheets)

Ind. Cl. : 172D4.

184939

Int. Cl. : D 01 H 13/00.

A SPINNING FRAME.

Applicant : MASCHINENFABRIK RIETER AG., CH 8406 WINTERTHUR SWITZERLAND, A SWISS COMPANY.

Inventors :

1. WITSCHI MARTIN
2. GNOS ROBERT
3. WERNLI JORG
4. QUADRANTI PATRIK
5. MONDGENAST PETER

Application No. 879/Mas/94 filed on 8th September 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

13 Claims

A spinning frame (40) with a conveying unit (T) with a storage container (26) for cops (2) and a further container (56) for tubes (57) and with a device (R) to unload cops (2) from the spinning frame (40) and a device (L) to load the spinning frame (40) with tubes (57), characterized in that the spinning frame (40) is provided with a traction means (43) with engaging pieces (44) for peg trays (1), whereby on each side of the spinning frame (40) a conveying track (42a, b) for the peg trays (1) is arranged, the conveying unit (T) being arranged for the device (R) to unload cops (2) and for the device (L) to load the spinning frame with tubes (57), said devices being arranged next to each other at one end of the spinning frame in alignment with the conveying tracks (42a, b), whereby in the first device (R) a conveying means (3) is arranged between the conveying track (42b) and the higher positioned storage container (26) and in the second device (L) the container (56) for tubes (57) is arranged above a separating device (58) and a feeding port (60) for tubes following it said container being positioned partially above the other conveying tracks (42).

Ind. Cl. : 98 G.

184940

Int. Cl. : F 23 G 5/00.

WASTE HEAT BOILER.

Applicant : HALDOR TOPSOE A/S., NYMOLLEVEJ 55, DK 2800 LYNGBY, DENMARK, A DANISH COMPANY.

Inventor : HENRIK OTTO STAHL.

Application No. 938/Mas/94 filed on 26th September 1994.

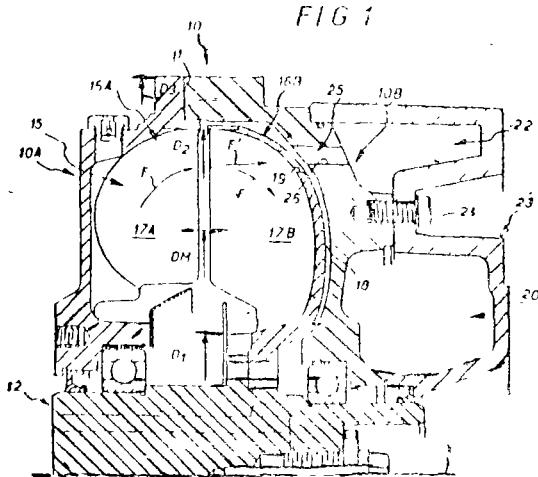
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A waste heat boiler comprising a generally cylindrical shell; a plurality of heat exchanging tubes in the form of tube bundles disposed within said shell, each of said tube bundles having an inlet end and an outlet end; means for introducing water into said shell on shellside of said tubes; means for introducing a hot process stream into the inlet end of said tubes in heat exchanging relationship with the water on the shellside of said tubes to cool said stream and to heat the water to produce heated water and/or steam; means for withdrawing said produced heated water and/or steam; and means for withdrawing said cooled process stream; wherein said plurality of tubes are provided in the form of two or more concentric tube bundles, each of said

entirely radially inwardly of the outer periphery of the working circuit (15).

FIG. 1



(Compl. Specn. : 16 pages;

Drgns. : 2 sheets)

Ind. Cl. : 99H.

184943

Int. Cl. : B65D 35/52.

A MULTILAYER TUBE DISPENSER.

Applicant : COLGATE PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventor : KAI SUN—U.S.A.

Application for Patent No. 249/Del/92 filed on 20-3-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

A multilayer tube dispenser comprising a continuous tube portion, a conical shoulder on one end of said tube portion and the other end of said tube portion being closed, said shoulder having a nozzle which extends away from said tube portion and having an aperture to deliver substances being dispensed from said tube, the continuous tube portion having a multilayer structure with flexibility such that when the tube portion is compressed to deliver a product the tube portion rapidly regains its original shape upon the release of compression on the tube portion to thereby create a suckback to draw product in the nozzle opening downwardly at least about 0.3 cm., characterized in that said multilayer structure is comprised of an inner moisture barrier layer, an organic barrier layer and an outer protective layer, said outer protective layer being a low density polyethylene layer having a high density polyethylene content of up to about 50 percent by weight.

(Compl. Specn. : 16 pages;

Drgns. : 5 sheets)

Ind. Cl. : 160 A.

184944

Int. Cl. : B62 D. 31. 00.

A SEATING ARRANGEMENT FOR A VEHICLE.

Applicant : MCLAREN CARS N.V., A COMPANY INCORPORATED IN THE NETHERLANDS ANTILLES, OF 7 ABRAHAM DE VEERSTRAAT, P.A. BOX 840, CURACAO, NETHERLANDS ANTILLES.

Inventor : GORDON MURRAY—ENGLAND.

Application for Patent No. 0269/Del/92 filed on 26-03-92.

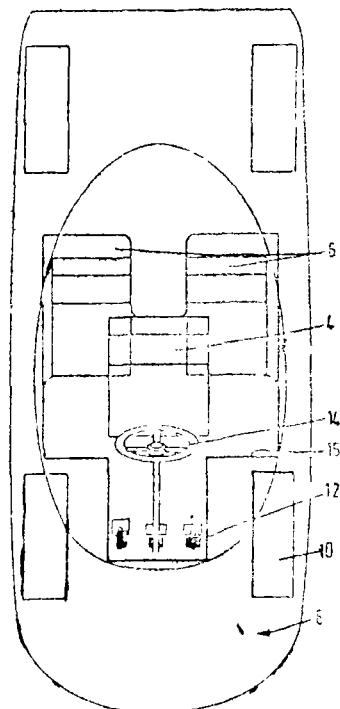
Convention Application No. 9107435.1/England/9-4-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A seating arrangement for a vehicle having three seats, said seating arrangement comprising two separate spaced rear passenger seats aligned substantially transversely, and a driver's seat substantially centrally and in front of said two rear passenger seats, wherein each of said driver's seat and said two rear passenger seats has a centre line which extends through the centre of the respective seat, the centre lines of all of the seats extending substantially parallel to each other and to the longitudinal extent of said vehicle, wherein said rear passenger seats are spaced on opposite sides of the centre line of said driver's seat, and said front driver's seat extends transversely to overlap part of each said rear passenger seat, and wherein said front driver's seat extends rearwardly beyond the front of each said rear passenger seat.

FIG. 2



(Compl. Specn. : 9 pages;

Drgns. : 3 sheets)

Ind. Cl. : 161 D

184945

Int. Cl. : E01 C. 3/04

A PAVED ROAD SEGMENT ON PILES.

Applicant : ONG SAY KIAT, A MALAYSIAN CITIZEN, OF 36 A JALAN SS 21/62, DAMANSARA UTAMA, 17400 PETALING JAYA, SELANGOR, MALAYSIA.

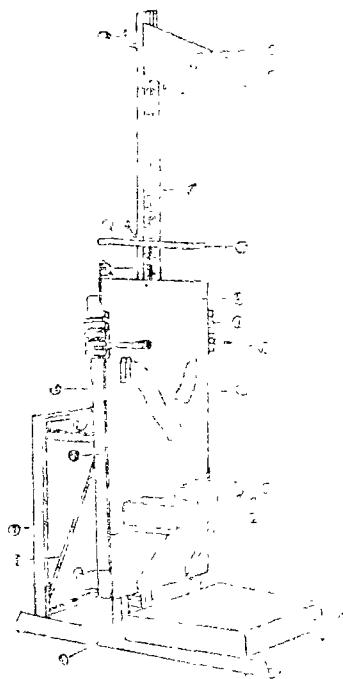
Inventors : ONG SAY KIAT, MALAYSIAN.

Kind of Application : Complete-Convention.

Application for Patent No. 0294/Del/92 filed on 01-04-92.

Convention Application No. 9108272.7/Malaysian/18-4-91.

channel being provided with a horizontal bar for leg support, said frame being connected to the said table through hinges and support bars



(Compl. Specn 10 Pages:

Dra. Sheet 1)

Ind. Cl. : 128 G

184948

Int. Cl. : A 61 H, 23/00, 23/02

A DEVICE FOR ACTIVATING/MASSAGE OF SKIN.

Applicant : RAMESH CHANDRA VARMA, (PROP.), M/S. NEWTON AGSYM INTERNATIONAL, 852. SECTOR 8, PANCHKULA-134109, HARYANA, INDIA.

Inventor : RAMESH CHANDRA VARMA, INDIA

Application for Patent No. 1249/Del/92 filed on 24-12-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A device for activating/massage of skin, comprising a vacuum pump having a hose characterised in that lower end of adapter is rotatably attached to a vacuum hose, and upper end having atleast one opening

(Compl. Specn 6 Pages:

Dra. Sheets 4)

Ind. Cl. : 132 A₁, B₂, C

184949

Int. Cl. : B05 C, 1/00

A METHOD OF TREATING THE SOILED FABRICS

Applicant : WHIRLPOOL CORPORATION, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, IN THE UNITED STATES OF AMERICA WITH THE PRINCIPAL OFFICE LOCATED AT 2000 M-63 BENTON HARBOR, MICHIGAN-49022 UNITED STATES OF AMERICA.

Inventors :

JOHN WAYNE EULER, U.S.A.

MARK BRADLEY KOVICH, U.S.A.

SHERYL LYNN FARRINGTON, U.S.A.

JIM J. PASTRYK, U.S.A.

ANTHONY HOMER HARDAWAY, U.S.A.

Application for Patent No. 1255/Del/92 filed on 30-12-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A method of treating the soiled fabrics to remove the extraneous material from the said fabrics to restore to its former condition, in an automatic washing machine having a washer with a wash chamber rotatable about a horizontal axis comprising the following steps :

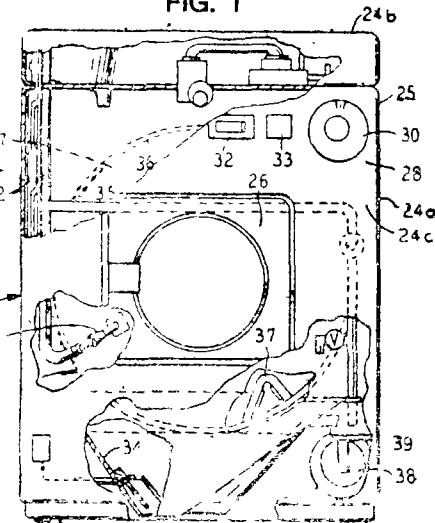
rotating said wash chamber about its horizontal axis at a spin speed to effect less than a one gravity centrifugal force on said fabric such that said fabric tumbles in said wash chamber;

directing a recirculating spray of concentrated detergent solution as herein described onto said fabric for a first period of time as said fabric is tumbling in said wash chamber;

subsequently increasing the spin speed of said wash chamber to effect more than a one gravity centrifugal force on said fabric such that said fabric will be retained on the wall of said wash chamber as it spins; continuing said recirculating spray of concentrated detergent solution onto said fabric for a second period of time as said fabric is held against the wall of said wash chamber;

after said second period of time, diluting said concentrated detergent solution as herein described and slowing said spin speed of said wash chamber to effect less than a one gravity centrifugal force on said fabric such that said fabric again tumbles in said wash chamber; continuing said recirculating spray of diluted detergent solution onto said fabric for a third period of time as said fabric is tumbling in said wash chamber; and draining the diluted detergent solution from said wash chamber.

FIG. 1



(Compl. Specn 24 Pages,

Dra. Sheets 6)

Ind. Cl. : 62 E

184950

Ind. Cl. : 32 E

184951

Int. Cl. : D06F 35/00

Int. Cl. : C08 F, 210/00

A METHOD OF TREATING SOILED FABRIC.

Applicant : WHIRLPOOL CORPORATION 2000 M-63, BENTON HARBOR, MICHIGAN-49022, UNITED STATES OF AMERICA

Inventors :

JOHN WAYNE BULER, U.S.
MARK BRADLEY KOVICH, U.S.
SHERYL YNN FARRINGTON, U.S.
JIM I PASTRYK, U.S.
ANTHONY HOMER HARDAWAY, U.S.

Application for Patent No. 1267/Del/92 filed on 30-12-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005

9 Claims

A method of treating soiled fabrics to restore it to its former condition in an automatic washer having a wash chamber rotatable about a horizontal axis comprising the steps of :

rotating said wash chamber about its horizontal axis with fabric therein at a spin speed to effect less than a one gravity centrifugal force on said fabric such that said fabric will tumble in said wash chamber;

directing a recirculating spray of concentrated detergent solution having a concentration level in the range of 0.5 to 12% detergent by weight onto said fabric for a first period of time as said fabric is tumbling in said wash chamber;

after said first period of time, diluting said concentrated detergent solution to a lesser detergent concentration level, no less than 0.28% by weight, and spinning said wash chamber to effect less than a one gravity centrifugal force on said fabric such that said fabric will again tumble in said wash chamber;

directing a recirculating spray of said lesser concentrated detergent solution onto said fabric for a second period of time as said fabric is tumbling in said wash chamber; and draining said lesser concentrated detergent solution from said wash chamber subsequent to said second period of time.

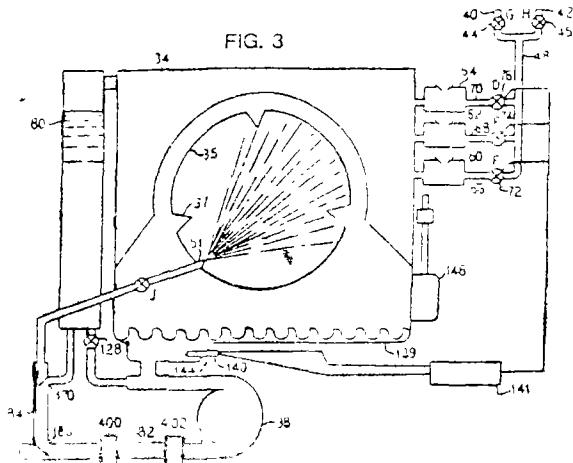


FIG. 3

(Compl. Specn. 24 Pages;

Drgn. Sheets 6)

AN IMPROVED PROCESS FOR THE PREPARATION OF POLYOOLEFINS BEARING A PENDANT REACTIVE VINYL UNSATURATION.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

SUJATA MARATHE, INDIA.
SWAMINATHAN SIVARAM, INDIA.

Application for Patent No. 1285/Del/92 filed on 31-12-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

14 Claims

An improved process for the preparation of polyolefins bearing a pendant reactive vinyl unsaturation which comprises :

- mixing an alpha olefin and a cyclic diolefin in the range of 1-90 mol% in a hydrocarbon diluent in presence of a suitable catalyst derived from a transition metal selected from Group IVB, VB or VIB and an organoaluminum compound bearing an Al-o linkage.
- polymerizing the mixture at a temperature in the range of 0 to 100°C at a pressure in the range of atmospheric to 50 Kg/cm².
- separating the said polyolefin by precipitation using methanol.

(Compl. Specn. 18 Pages;

Drgn. Sheet 1)

Ind. Cl. : 32 F

184952

Int. Cl. : C08 F - 236/22.

A PROCESS FOR PRODUCING HALOGENATED COPOLYMER OF ISOOLEFIN AND ALKYLSTYRENE.

Applicant : EXXON CHEMICAL PATENTS INC., A CORPORATION OF DELAWARE, UNITED STATES OF AMERICA, CARRYING ON BUSINESS AS A COMPANY FOR THE HOLDING OF PATENTS AND GRANTING LICENSES THEREUNDER, AND TECHNICAL DEVELOPMENT AND RESEARCH WORK AT 1900 EAST LINDEN NEW JERSEY, UNITED STATES OF AMERICA.

Inventors :

- KENNETH WILLIAM POWERS—USA and
- HSEMEN CHANG WANG—USA.

Application for Patent No. 550/Del/93 filed on 27-05-93.

Divisional out of Patent Application No. 408/Del/89 filed on 9-5-89.

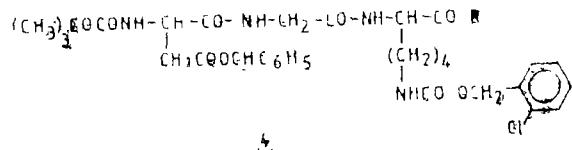
Ante dated to 9-5-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005

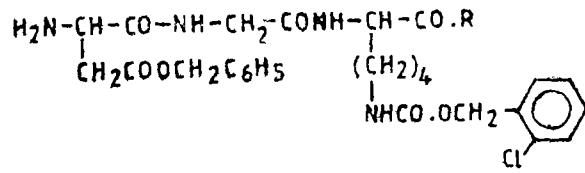
14 Claims

A process for producing a halogenated copolymer of isoolefin having between 4 and 7 carbon atoms and para-alkylstyrene which comprises admixing said isoolefin and said para-alkylstyrene in a copolymerization reactor and copolymerizing said admixture in any conventional manner in the

d. reacting glycyl- N^{E} -2- chlorobenzylloxycarbonyl- L- lysyl derivative of formula 3 (dipeptide amine) with t- butyloxycarbonyl- β benzyl-L-aspartic acid in the presence of DCC/HOBt to obtain t- butyloxycarbonyl- β - benzyl-L- aspartyl- glycyl-L- N^{E} f - chlorobenzylloxycarbonyl- N^{f} L- lysyl derivative (protected tripeptide) of formula 4

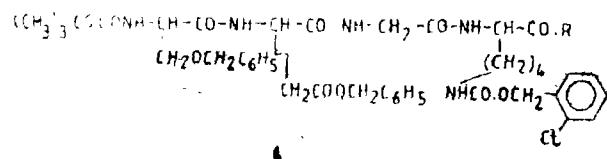


Then treating with dichloromethanetrifluoroacetic acid, followed by treating with N-methylmorpholine to get B- benzyl-L- aspartyl- glycyl- N^{E} - chloro benzylloxycarbonyl - L-lysyl- derivative of formula 5 (tripeptide amine)



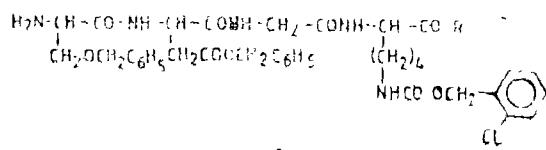
5

e. reacting B- benzyl- L- aspartyl- glycyl- N^{E} - chlorobenzyloxy- carbonyl- L- lysyl - derivative (tripeptide amine) of formula 5 with t- butyoxycarbonyl-L serine (benzyl) in the presence of dicyclohexylcarbodiimide/1- hydroxy benzotriazole (DCC/ HOBt) to obtain t- butyloxycarbonyl- L- serine (benzyl) B- benzyl-L- aspartyl-glycyl- N^{E} - chloro benzyl-oxycarbonyl- L- lysyl derivative of formula 6.

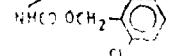
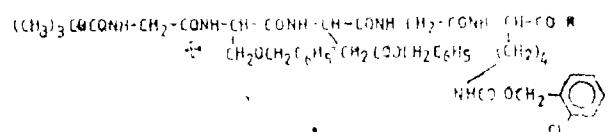


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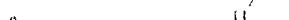
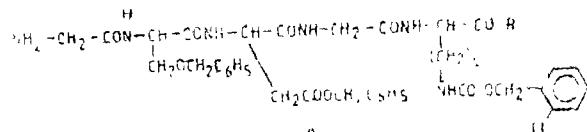
f. treating t- butoxy carbonyl- L serine (benzyl) - B benzyl-L- aspartyl- glycyl- N^{E} - chloro benzylloxycarbonyl- L lysyl derivative (protected tetrapeptide) of formula 6 with dichlorome-thane ;trifluoroacetic acid, then treating with N-methylmorpholine to get L- serine (benzyl) -B- benzyl- L- aspartyl- glycyl N^{E} - 2- chlorobenzylloxycarbonyl- 1- lysyl derivative of formula 7. (tetrapeptide amine)



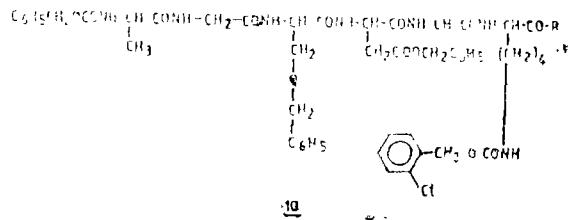
g. reacting L- serine (benzyl) - B benzyl -L aspartyl-gly- cyl- N^{E} - 2- chlorobenzylloxycarbonyl L- lysyl derivative (terapeptide amine) of formula 7 with t- butyloxycarbonyl- glycine in the presence of dicyclohexylcarbodiimide /1-hydroxybenzotriazole (DCC/ HOBt) to obtain t- butyloxycarbonyl- glycyl- L- serine (benzyl) -B- benzyl- L- aspartyl- glycyl- N^{E} - 2- chloro benzylloxycarbonyl- L- lysyl derivative of formula 8



h. treating t- butyloxycarbonyl- glycyl -L- serine (benzyl) -B- benzyl-L- aspartyl- glycyl- N^{E} - 2- chloro benzylloxycarbonyl- L- lysyl derivative (protected pentapeptide) of formula 8 with dichloromethanetrifluoroacetic acid followed by treating with N-methylmorpholine to get glycyl-L- serine (benzyl) - β -benzyl-L- aspartyl- glycyl- N^{E} - 2- chlorobenzylloxycarbonyl- L- lysyl derivative of formula 9.



i. reacting glycyl-L- serine (benzyl) -B- benzyl- L- aspartyl- glycyl- N^{E} - 2- chlorobenzylloxycarbonyl- L- lysyl derivative (pentapeptide amine) of formula 9 with benzyloxycarbonyl- L- alanine in the presence of dicyclohexylcarbodiimide/ 1- hydroxybenzotriazole (DCC/ HOBt) to get benzyloxycarbonyl-L- alanyl- glycyl-L- serine (benzyl) -B- benzyl-L- aspartyl- glycyl- N^{E} - 2- chlorobenzylloxycarbonyl- L- lysyl derivative of formula 10.



10

j. Catalytically hydrogenating the benzyloxycarbonyl-L- alanyl- glycyl -L- serine (benzyl) - β -benzyl-L- aspartyl- glycyl- N^{E} - 2- chlorobenzylloxycarbonyl- L- lysyl protected hexapeptide derivative of the formula (10) using pd/C in methanol acetic acid

mixture, then treating with methanolic/HCl to get L-alanyl-glycylserinyl-aspartyl glycyl-L-lysinyl derivatives of general formula I where R-OH, OCH₃, NH₂, NHCH₃.

AGENT :

(PROVISIONAL SPECIFICATION 3 PAGES)
(COMPLETE SPECIFICATION 18 PAGES)
DRAWING SHEET 3)

Ind. Cl. : 32F2(b).

184955

Int. Cl. : C 07C—103/30.

A PROCESS FOR THE SYNTHESIS OF N-SUBSTITUTED ARALKYL AMIDES OF L-TYROSYL-D-ALANYL-L-N-METHYLPHENYLALANYL-GLYCINE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001 INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

1. VIKAS CHANDRA DHAWAN—INDIA
2. TABASSUM NAQVI—INDIA
3. WAHAJUL HAQ—INDIA
4. KRISHNA BEHARI MATHUR—INDIA
5. RAM RAGHUBIR—INDIA
6. GYANENDRA KUMAR PATNAIK—INDIA
7. BHOLA NATH DHAWAN—INDIA

Kind of Application : Complete/provisional.

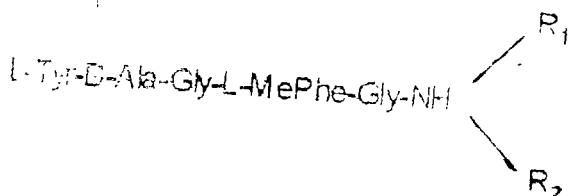
Application for Patent No. 1361/Del/95 filed on 20-7-95.

Complete left after Provisional Specification filed on 18-10-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

A process for the synthesis of N substituted aralkyl amides of L-tyrosyl-D-alanyl-glycyl-L-N-methylphenylalanyl glycine of general formula shown in Fig. 1.



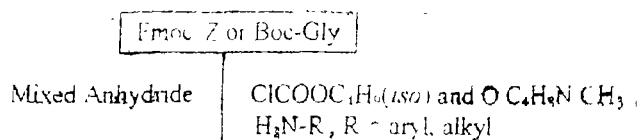
GENERAL FORMULA

Figure 1

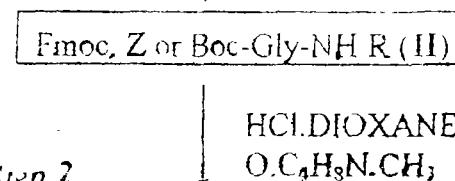
where R₁ is hydrogen and R₂ is aralkyl radicals such as benzyl, p-methoxybenzyl etc. The process comprises :

- reacting Z, Fmoc or Boc-glycine with isobutyl-chloroformate and corresponding amine(s), as shown in formula II, Fig 2, in the presence of tert

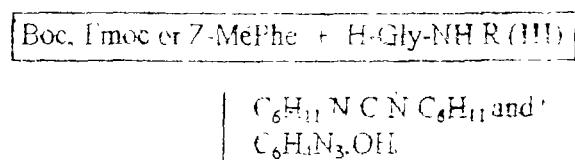
amine to obtain Z, Fmoc or Boc protected glycylamide of formula II shown in Fig. 2 (step 1);



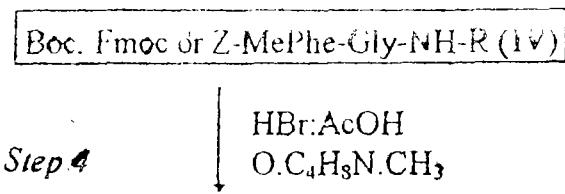
(b) treating the Z, Fmoc or Boc protected-glycylamide(s) of the formula II with HCl : dioxane to obtain the hydrochloride of glycyl amide(s) of formula III shown in Fig. 2 (step 2);



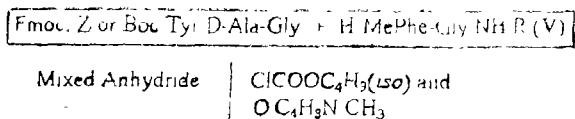
(c) reacting glycyl-amide(s), obtained from the hydrochloride of formula III after neutralizing with tert. amine with Z, Fmoc or Boc protected L-N-methylphenylalanine using dicyclohexylcarbodiimide (DCC) and 1-hydroxybenzotriazol (HOBT) to obtain Z, Fmoc or Boc protected L-N-methylphenylalanylglycyl-amide(s) of formula IV shown in Fig. 2 (step 3);



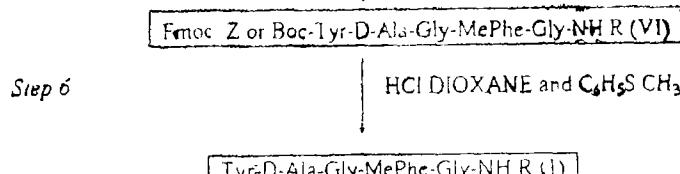
(d) treating the Z, Fmoc or Boc protected L-N-methylphenylalanyl-glycyl amide(s) formula IV, thus obtained, 2N HBr : Acetic acid, hydrobromide of L-N-methylphenylalanyl-glycyl-amide(s) of formula V shown in Fig. 2 were obtained. (step 4);



(e) reacting L-N-methylphenylalanyl-glycyl-amide(s) obtained from the hydrobromide of formula V after neutralizing with tert. amine, with the mixed anhydride obtained from the reaction of Z, Fmoc or Boc protected L-tyrosyl-D-alanyl-glycine and isobutyl-chloroformate in the presence of N-methyl morpholine to obtain the Z, Fmoc or Boc protected pentapeptide of the formula VI shown in Fig 2 (step 5);



(f) treating the protected pentapeptide of formula VI shown in Fig. 2 with 4N HCl : dioxane in the presence of thioanisole to get the hydrochloride of the pentapeptide derivative of the formula I shown in Fig. 2 (step 6).



(Provnl. Specn. : 4 pages: Orgn. 3 sheet(s)
(Compl. Specn. : 15 pages: Orgn. 2 sheets)

D represents hydrogen, or represents a group of the formula $\text{---SO}_2\text{---NR}^8\text{R}^9$,

wherein

R^8 and R^9 are identical or different, and

denote hydrogen, phenyl or straight-chain or branched alkyl having up to 6 carbon atoms, which is optionally substituted by hydroxyl, or together with the nitrogen atom, from a 5— to 6—membered saturated heterocyclic radical which has up to 2 further hetero atoms from the series consisting of S, N and/or O and is optionally substituted, including via a free N function, by straight-chain or branched alkyl having up to 6 carbon atoms, which in turn can be substituted by hydroxyl, and

E represents straight-chain or branched alkyl having up to 8 carbon atoms, and tautomers and salts thereof, characterized in that compounds of the general formula (II)

Ind. Cl. : 32 F2b, 55E4. 184956

Int. Cl⁴ : C 07D 405/00, 239/00, A 61K 31/00.

A PROCESS FOR THE PREPARATION OF 2,8-DISUBSTITUTED QUINAZOLINONES.

Applicant : BAYER AKTIENGESELLSCHAFT, A BODY CORPORATE ORGANISED UNDER THE LAWS OF GERMANY, OF D-51368 LEVERKUSEN, GERMANY.

Inventors :

1. FRED ROBERT HEIKER—GERMANY
2. ULRICH NIEWOHNER—GERMANY
3. WOLF GANG HARTWIG—GERMANY
4. HELMUTH SCHUTZ—GERMANY
5. ERWIN BISCHOFF—GERMANY
6. ELISABETH PERZBORN—GERMANY
7. MATTHIAS SCHRAMM—GERMANY

Application for Patent No. 2408/Del/95 filed on 26-12-95.

Convention Application No. 19501481.2/Germany/19-01-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

2 Claims

Process for the preparation of 2, 8-disubstituted quinazolinones of formula (I),



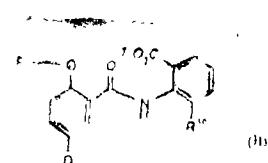
in which A represents a radical of the formula,



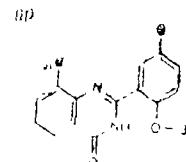
wherein :

R^1 denotes hydrogen or straight chain or branched alkyl having up to 6 carbon atoms,

R^2 denotes straight-chain or branched alkyl having 8 carbon atoms, which is optionally substituted by phenyl,



in which D and E have the above mentioned meaning. T represents $C_1\text{-}C_4$ -alkyl and R^{10} represents halogen, preferably bromine or iodine, are first cyclized with formamide to give the compounds of the general formula (III)



in which D, E and R^{10} have the above mentioned meaning, and treating said compound of formula III with compounds of the general formula (IV)



in which

R^1 and R^2 have the above mentioned meaning, in inert solvents in the presence of a base and in the system of tri-*tolylphosphine*/palladium (II) acetate to give the compounds of the general formula (I)

in which

A, D, E, R^1 and R^2 have the abovementioned meanings,

AGENT :

REMFRY & SAGAR

(Complete Specification 44 pages Drawing sheet Nil

Ind. Cl. : 32 F 2b, 55E4. 184957

Int. Cl⁴ : (1) A 61 K 31/00 (2) C 07 D 233/54

“A PROCESS FOR PREPARING A NOVEL IMIDAZOLE COMPOUND”

Applicant : SMITHKLINE BEECHNM CORPORATION, a corporation organized under the laws of the commonwealth of Pennsylvania, one of the United States of America, of one Franking Plaza, Philadelphia, Pennsylvania 19103, United States of America.

Inventor (s) : JERRY LEROY ADAMS—U.S.A., TIMOTHY F. GALLAGHER, U.S.A., JEFFREY CHARLES BOEHM—U.S.A., JOSEPH SISKO—U.S.A., ZHIQIANG PENG—U.S.A., JOHN CHEUNG-LUN—U.S.A. AND RAVI SHANKER GARIGIPATI—U.S.A.

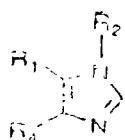
Application for Patent No. 11/DEL/96 filed on 3rd Jan., 1996.

Convention Application No. 08/369.964.08/472, 366/ US/09.01-95, 7-6-1995.

Appropriate office for opposition proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi 110 005.

12 Claims

A Process for preparing a novel imidazole compound of formula (A) :



wherein R₁ is a 4-pyridyl, pyrimidinyl, quinolyl, isoquinolinyl, quinazolia-4-yl, 1-imidazolyl or 1-benzimidazolyl ring which ring is optionally substituted with one or two substituents each of which is independently selected from C₁₋₄ alkyl, halogen, hydroxyl, C₁₋₄ alkylthio, C₁₋₄ alkylsulfinyl, CH₂ OR₁₂ amino, mono or di-C₁₋₆ alkyl substituted amino, N(R₁₀)C(0)R_a or an M-heterocycl ring, which ring has from 5 to 7 members and optionally contains an additional heteroatom selected from oxygen, sulfur or NR₁₅ :

R₄ is phenyl, naphth-1-yl or a naphth-2-yl, or a heteroaryl, which is optionally substituted by one or two substituents, each of which is independently selected, and which, for a 4-phenyl, 4-naphth-1-yl, 5-naphth-2-yl or 6-naphth-2-yl substituent, is halogen, cyano, nitro, -C(Z)NR₇R₁₇, -C(Z)OR₁₆, -CR₁₀R₂₀, -COR₁₂, -SR₅, -SOR₅, OR₁₂, halo-substituted C₁₋₄ alkyl, C₁₋₄ alkyl-ZC(Z)R₁₂, -NR₁₀C(Z)R₁₆ or -(CR₁₀R₂₀)_v NR₁₀R₂₀ and which, for other positions of substitution, is halogen, cyano, -C(Z)NR₁₃, R₁₄, -C(Z)OR₃, -(CR₁₀R₂₀)_m -COR₃

-S(O)_mR₃ halo substituted C₁₋₄ alkyl, -C₁₋₄ alkyl, -(CR₁₀R₂₀)_m -NR₁₀ C(Z)R₃, -NR₁₀ S₂O_m, R₈, -NR₁₀ S(O)_m, NR₇, R₁₇, ZC(Z)R : or-(CR₁₀R₂₀)_m -NR₁₃R₁₄ ;

V is —XX O, or an integer having a value of 1 or 2 ;

M is O or the integer 1 or 2 ;

m' is an integer having a value of 1 or 2 ;

m' is O, or an integer having a value of 1 to 5 ;

R₂ is C₁₋₁₀ alkyl, N₃, -(CR₁₀R₂₀)_n OR₉, heterocycl, heterocycl C₁₋₁₀ alkyl, C₁₋₁₀ alkyl, halo substituted C₁₋₁₀ alkyl, C₂₋₁₀ alkynyl, C₂₋₁₀ alkynyl, C₃₋₇ cycloalkyl, C₃₋₇ cycloalkyl C₁₋₁₀ alkyl, C₅₋₇ cycloalkenyl, C₅₋₇ cycloalkenyl, -C₁₋₁₀ alkyl, aryl C₁₋₁₀ alkyl, heteroaryl, heteroaryl -C₁₋₁₀ alkyl, (CR₁₀R₂₀)_n OR₁₁, (CR₁₀R₂₀)_n S(O)_m R₁₈, (CR₁₀R₂₀)_n NHS (O)₂R₁₈, (CR₁₀R₂₀)_n NR₁₃R₁₄, (CR₁₀R₂₀)_n NO₂, (CR₁₀R₂₀)_n CN, (CR₁₀R₂₀)_n SO₂R₁₈, (CR₁₀R₂₀)_n S(O)_m, NR₁₃R₁₄, (CR₁₀R₂₀)_n C(Z)R₁₁, (CR₁₀R₂₀)_n OC(Z)R₁₁, (CR₁₀R₂₀)_n C(Z)OR₁₁, (CR₁₀R₂₀)_n C(Z)NR₁₃R₁₄, (CR₁₀R₂₀)_n C(Z)NR₁₁, OR₉, (CR₁₀R₂₀)_n NR₁₀C(Z)R₁₁, (CR₁₀R₂₀)_n NR₁₀C(Z)NR₁₃R₁₄, (CR₁₀R₂₀)_n N(O₂R₆)C(Z)NR₁₃R₁₄, (CR₁₀R₂₀)_n N(O₂R₆)C(Z)R₁₁, (CR₁₀R₂₀)_n C(-NR₁₉)NR₁₃R₁₄, (CR₁₀R₂₀)_n OC(Z)NR₁₃R₁₄, (CR₁₀R₂₀)_n NR₁₀C(Z)NR₁₃R₁₄, (CR₁₀R₂₀)_n NR₁₀C(Z)OR₁₀, 5-(R₁₈)-1, 2, 4-exadiazol-3-yl or 4-(R₁₂)-5-(R₁₈ R₁₉)-4, 5-dihydro-1, 2, 4-exadiazol-3-yl; wherein the aryl, arylalkyl, cycloalkyl, cycloalkylalkyl, heteroaryl, heteroaryl alkyl, heterocyclic and heterocyclic alkyl groups may be optionally substituted.

N is an integer having a value 1 to 10 ;

n' is O, or an integer having a value of 1 to 10 ;

Z is oxygen or sulfur ;

R₄ is hydrogen, C₁₋₄ alkyl, C₃₋₇ cycloalkyl, aryl, aryl C₁₋₁, alkyl, heteroaryl, heteroaryl C₁₋₄ alkyl, heterocycl, or heterocycl.

C₁₋₄ alkyl,

R₃ is heterocycl, heterocycl C₁₋₁₀ alkyl or R₈ ;

R₅ is hydrogen, C₁₋₄ alkyl, C₂₋₄ alkonyl, C₂₋₄ alkynyl or NR₇, R₁₇ excluding the mo et es-SR₅ being-SNR₇ R₁₇ and SOR₅ being-SOH ;

R₆ is hydrogen, a pharmaceutically acceptable cation, C₁₋₁₀ alkyl, C₃₋₇ cycloalkyl, aryl, aryl C₁₋₄ alkyl, heteroaryl, heteroarylalkyl, heterocycl, aroyl, or C₁₋₁₀ alkonyl ;

R_7 and R_{17} is each independently selected from hydrogen or C_{1-4} alkyl or R_7 and R_{17} together with the nitrogen to which they are attached form a heterocyclic ring of 5 to 7 members which ring optionally contains additional heteroatom selected from oxygen, sulfur or NR_{15} :

R_8 is C_{1-10} alkyl, halo- substituted C_{1-10} alkyl, C_{2-10} alkonyl, C_{2-10} alkynyl, C_{3-7} cycloalkyl, C_{5-7} cycloalkonyl, aryl, C_{1-10} alkyl, heteroaryl, heteroaryl C_{1-10} alkyl, $(CR_{10}R_{20})_n$ OR₁₁, $(CR_{10}R_{20})_n$ S(O)_m R₁₈, $(CR_{10}R_{20})_n$ NHS(O)₂ R₁₈'' $(CR_{10}R_{20})_n$ NR₁₃ R₁₄; wherein the aryl, arylalkyl, heteroaryl, heteroaryl alkyl may be optionally substituted:

R_9 is hydrogen, -C(Z)R₁₁ or optionally substituted C_{1-10} alkyl, S(O)₂ R₁₈, optionally: substituted aryl or optionally substituted aryl- C_{1-4} alkyl:

R_{10} and R_{20} is each independently selected from hydrogen or C_{1-4} alkyl:

R_{11} is hydrogen, C_{1-10} alkyl, C_{3-7} cycloalkyl, heteroaryl, heterocyclic C_{1-10} alkyl aryl, aryl C_{1-10} alkyl, heteroaryl or heteroaryl C_{1-10} alkyl:

R_{12} is hydrogen or R_{16} :

R_{13} and R_{14} is each independently selected from hydrogen or optionally substituted C_{1-4} alkyl, optionally substituted aryl or optionally substituted aryl- C_{1-4} alkyl, or together with the nitrogen to which they are attached form a heterocyclic ring of 5 to 7 members which ring optionally contains an additional heteroatom selected from oxygen, sulfur or NR_9 :

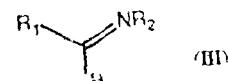
R_{15} is R_{10} or C(Z)- C_{1-4} alkyl:

R_{16} is C_{1-4} alkyl, halo-substituted - C_{1-4} alkyl, or C_{3-7} cycloalkyl:

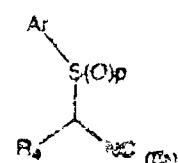
R_{18} is C_{1-10} alkyl, C_{3-7} cycloalkyl, heterocyclic, aryl arylalkyl, heterocyclic, heterocyclic- C_{1-10} alkyl, heteroaryl or heteroarylalkyl:

R_{19} is hydrogen, cyano, C_{1-4} alkyl, C_{3-7} cycloalkyl or aryl or a pharmaceutically acceptable salt thereof, said process comprising: reacting an aldehyde of the formula R_1CHO , wherein R_1 is as defined for Formula (A), with a primary amine

of the formula R_1CHO , wherein R_1 is as defined for formula (A), with a primary amine of the formula R_2NH_2 , wherein R_2 is as defined for Formula (A), and if necessary, suitably protecting R_2 to prepare imine of Formula III: and



reacting the so formed imine with a compound of formula (IIa):



wherein P is 2; and a base of the kind such as herein described; and wherein R_1 , R_2 and R_4 are as defined for Formula (A) or are precursor of groups R_1 , R_2 and R_4 and Ar is an optionally substituted phenyl group and thereafter if necessary, converting a precursor of R_1 , R_2 and R_4 to a group, R_1 , R_2 , and R_4 , to obtain a novel imidazole compound of formula (a).

Agent : Remfry & Sagar

(Compl. Socn. 75 Pages'

Drg. Sheets Nil)

Ind. Cl. : 32 F (2b)

184958

Int. Cl. : C 07 D, 239/02

A PROCESS FOR PREPARING 4, 6-DICHLOROPYRIMIDINE.

Applicant : ZENECA LIMITED, A BRITISH COMPANY, OF 15 STANHOPE GATE, LONDON W1Y 6LN, ENGLAND.

Inventors :

ALAN JOHN WHITTON, UK.

DAVID JOHN RITCHIE, UK.

EWAN CAMPBELL DOYD, UK.

RAYMOND VINCENT HEAVON JONES, UK.

Application for Patent No. 61/Del/96 filed on 10th Jan. 1996.

Convention Application No. 9501738.0, 9507787.1, 9510751.2/UK, UK, UK./30-01-95, 13-04-95, 26-05-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

A process for preparing 4, 6-dichloropyrimidine comprising treating 4, 6-dihydroxypyrimidine with phosphorus oxychloride in the presence of a compound selected from the group consisting of a saturated hindered amine, the hydrochloride

salt of a saturated hindered amine, and an unsaturated 5-membered nitrogen containing ring or a mixture thereof, wherein the molar, ratio of 4, 6-dihydroxypyrimidine : phosphorus oxychloride : (saturated hindered amine, saturated hindered amine hydrochloride or unsaturated 5-membered nitrogen containing ring or mixture thereof) is in the range (0.8-1.2) : (2-2.5) : (1.8-2.2), and directly extracting with a solvent the 4, 6-dichloropyrimidine so formed.

(Compl. Specn. 21 Pages;

Drgn. Sheet Nil)

Ind. Cl. : 83A1

184959

Int. Cl. : A23L 1/06

A PROCESS FOR MAKING A TEXTURISED FOOD-STUFF.

Applicant : ZENECA LIMITED, A BRITISH COMPANY, OF 15 STANHOPE GATE, LONDON W1Y 6LN, ENGLAND.

Inventors :

TIMOTHY JOHN ANDREW FINNIGAN, U.K.

JANINE ANNE STEPHENS, U.K.

Application for Patent No. 0062/Del/96 filed on 10-01-96.

Convention Application No. 9500579.9/U.K./12-01-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

16 Claims

A process of making a texturised foodstuff containing an edible filamentous fungus (EFF) said process comprising mixing a gel forming edible hydrocolloid (EH) with edible filamentous fungus (EFF), thereby forming a paste, gelling the edible hydrocolloid (EH) to convert the paste to a firm mass, forming particles from said firm mass in a manner as herein before described, and mixing particles of the said mass with further gel forming edible hydrocolloid (EH) in a less gelled condition which is mixed with edible filamentous fungus (EFF).

(Compl. Specn. 9 Pages;

Drgn. Sheet Nil)

Ind. Cl. : 128 K

184960

Int. Cl. : A 61 B, 5/02

AN APPARATUS FOR THE MEASUREMENT OF ATRIAL PRESSURE.

Applicant : DONALD DOUGLAS HICKEY, 588 LASALLE AVENUE, NEW YORK-142215 USA, AN AMERICAN CITIZEN AND CLAS ERIK GUNNER LUNDGREN, 42 BURROUGHS DRIVE, SNYDER, NEW YORK-14226, USA. A SWEDISH NATIONAL.

Inventors :

DONALD DOUGLAS HICKEY, U.S.A.

CLAS ERIK GUNNER LUNDGREN, U.S.A.

Application for Patent No. 605/Del/1991 filed on 8th July, 1991.

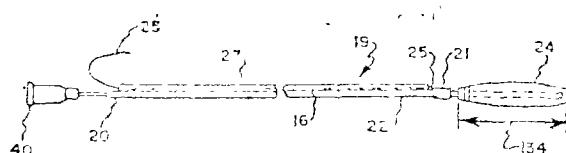
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

17 Claims

An apparatus for the measurement of atrial pressure comprising :

catheter means, said catheter means having a balloon at one end, said catheter means being insertable into an esophagus for positioning said balloon adjacent left atrium, means for inflating said balloon characterized by means for measuring the balloon pressure as herein described when the amplitude of the balloon pressure oscillations effected by the left atrial pressure when said balloon is adjacent the left atrium is at a peak and means for sensing position of said balloon adjacent the left atrium.

Fig 1.



(Compl. Specn. 38 Pages;

Drgn. 6 Sheets)

OPPOSITION PROCEEDINGS

An Opposition has been entered by Brakes India Limited, Padi, Chennai 600050 to grant of a patent on application No. 183652 (337/Del/90) dated 04-04-90 made by Piaggio Veicoli Europei SPA, Italy.

An opposition entered by M/s. Tea Research Association, Calcutta to the grant of a patent to the application No. 183116 (492/Cal/95) has been withdrawn and the application for Patent has been ordered to proceed for sealing.

LEAVE GRANTED UNDER RULE 123 OF THE PATENT'S RULE, 1972

In pursuance of leave granted under Rule 123 of the patent's Rule, 1972, the application No. 126/Cal/94 (180885) made by Mitsui Petrochemical Industries Ltd. on 03-03-1994 has been allowed to proceed in the name of Mitsui Chemicals, Inc.

**CANCELLATION PROCEEDINGS
(SECTION 51A)**

An Application made by M/s. D. K. Electrical for Cancellation of the Registration of Registered Design No. 180261 in Class 1 in the name of goldage Plastics and Chemical Industries (P) Limited.

PATENT SEALED ON 08-09-2000

183475 183589* 183592* 183598 183601* 183602 183604
183605 183606 183607 183608 183609 183610

CAL-10, DEL-NIL, MUM-03, CHEN-NIL

*Patent shall be deemed to be endorsed with words Licence of Right Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D-Drug Patents

F-Food Patents

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the entries is the date of the registration included in the entries.

Class 01. No. 181546, M/s. Jay Yushin Limited, GP-14, HSIDC, Industrial Estate, Sector-18, Gurgaon-Haryana-122001, Indian National, "Lock Set for Automobile", 7 February 2000.

Class 01. No. 182707, M/s. Oppicine Lovato S.p.A., Strada Casale, 175-36100 Vicenza (Italy), an Italian Company, "LPG Mini Reducers", 23 June 2000.

Class 01. No. 182716, M/s. Officine Lovato S.p.A. Strada Casale, 175-36100 Vicenza (Italy), Italian Company, "LPG Pressure Reducer", 26 June 2000.

Class 03. No. 181796, Ashok Kumar Sureka, Indian, 19, Pollok Street, Cal :700001, W. B., India, "Ball Point Pen", 1 March 2000.

Class 03. No. 181858, Duggal Brothers, Indian Partnership Firm, 28, Kaushalya Bhawan, Sadar Bazar, Delhi-110006, India, "Ball Pen", 14 March 2000.

Class 03. No. 181944, Welkin Polymers Pvt. Ltd., 140(1), Industrial Area, Jhotwara Jaipur-302012 (Rajasthan), India, Indian Company, "Jar", 27 March 2000.

Class 03. No. 182289, Tea Promoters (India) Pvt. Ltd., 17, "Chowringhee Mansions", 30 Jawaharlal Nehru Road, Calcutta-700016, Indian Company, "Slide Lid Box", 9 May 2000.

Class 03. No. 183038, K. K. Electricals, Indian Partnership firm, at L-259, Laxman Puri, Multani Dhanada, Pahar Ganj, N. Delhi-110055, "Geyser", 28 July 2000.

Class 04. No's. 182727, 182728 & 182730 to 182737, Sikkim Distilleries Ltd., Indian Company, Sai Baba Nagar, Rangpo, Sikkim-727132, India, "Bottle", 27 June 2000.

H. D. THAKUR

Controller General of Patents, Designs & Trade Marks

